

2922-B-04-301-001/FP-001

vol. 2

VOL. 2

VOL. 2

FILE NUMBER / DOSSIER 2922-6-06-301-001/FP-001

SCHEDULE AUTHORITY YEAR(S)	PÉRIODE DE CONSERVATION
1	1970-1979
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MINISTÈRE DE LA DÉFENSE NATIONALE

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LAND FORMATIONS IN BATTLE

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ORDONNANCES OPERATIONNELLES ET TACTIQUES

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TO À	REMARKS REMARQUES	Date	Init.	Date	Init.	Date	Cancel Annuler	Inspected Inspecté	Station No. Poste No
DLCD 4	WITH 21-1-81	JAN 26 1981	M	26 Jan				JAN 28 1981	
DLCD 4	WITH 5-5-81	MAY 2 1981	J	14 May				MAY 14 1981	
CMOD	WITH 13-11-81	NOV 8 1981	SD						
Dmopk		18/81							
Dmopk 3		19/81		14/11				NOV 20 1981	
MDRM333	Reg.	15/83	PW						
DLCD3	per request	JUL 18 1983		19/7	BC			JUL 20 1983	

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2910-CFP 301-2 }
2910-CFP 301-3 } COMBINED WITH THIS FILE



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01/04/80 ^{1d#}
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TO
JUSQU'AU

30/11/81

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2922-B-06-301-001/FP-001

VOLUME

3

DEPARTMENT OF NATIONAL DEFENCE
MINISTÈRE DE LA DÉFENSE NATIONALE

MINUTE SHEET - NOTE DE SERVICE

Restricted

FILE NO. - NO. DE DOSSIER

2922-B-~~85~~⁸⁶-301-001/FP 001 TD 1327

DATED - DATÉE

24 Nov 81

SUBJECT -- A Follow up action Writing Plans - CF3 301 -
Land Formations in Battle

REFERRED TO
TRANSMISE A

REMARKS - REMARQUES
(TO BE SIGNED IN FULL, SHOWING APPOINTMENT, TELEPHONE NUMBER AND DATE)
(ATTACHÉ DE SIGNATURE, FONCTION, NUMÉRO DE TÉLÉPHONE ET DATE)

DMOT-2

1. Nil return or comment.

Helen F. Ott

Helen F. Ott
Col
DNS
6-4016

07 December 81

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P.A.

MEMORANDUM

2922-B-OG-301-001/FP001
TD 1327 (DMOT 2)

24 Nov 81

Distribution List

WRITING PLANS
CFP 301 - LAND FORMATIONS IN BATTLE

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

G.H. Rice
G.H. Rice
LCol
DMOT 2
6-2131

Encl: 1

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MAIN FILE No. 2922-B-OG-301-001/FP00 I.T.D. No. 1327
DOSSIER PRINCIPAL

DEPARTMENT OF NATIONAL DEFENCE
MINISTÈRE DE LA DÉFENSE NATIONALE

D.T.

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P.A.
RANGER

**B.F.
RAPPEL**

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Les dossiers temporaires sont créés à l'égard d'un SEUL CAS.
2. T.D.'s NOT to be placed on main file UNLESS Records Management Office informed by File Control Form DND 710.
Ne PAS placer un dossier temporaire dans le dossier principal SANS en informer le Bureau de la gestion des dossiers au moyen de la formule DND 710.
3. T.D. No. together with main file number to be quoted on all correspondence originated.
Mentionner le numéro du dossier temporaire et le numéro de référence du dossier principal dans toute correspondance.
4. Action should be taken as soon as possible in order that main file may be kept up to date. If action cannot be taken within 48 working hrs., B.F. Docket.
Donner suite le plus tôt possible, afin de tenir le dossier principal à jour. Si non réalisable dans les 48 heures ouvrables, acheminer et inscrire une date de rappel.
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Utiliser la méthode applicable aux dossiers principaux pour les demandes, acheminements, rappels, etc., des dossiers temporaires; employer la formule DND 710.



National Défense
Defence nationale

PA
2922-B-OG-301-001/FP001 TD 1327
(DMOT 2-2)

15 December 1981

Mobile Command Headquarters
St Hubert, PQ
J3Y 5T5

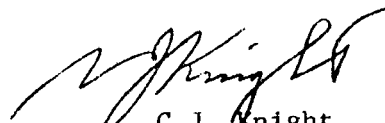
Attention: SSO CD Coord

WRITING PLANS
CFP 301 - LAND FORMATIONS IN BATTLE

Reference: A. FMC 2910-CFP 300 (CD)/2910-CFP 301 dated 13 Nov 81

1. Further to the above Reference, the subject Writing Plan has been staffed for review within the Surgeon General Branch. The general consensus of that review is that the Plan appears viable for the intended purpose, however, the following minor observation is submitted for your consideration:

- a. Chapter 5. It is assumed that the Medical factors of NBCW will be covered in depth, as these may have a significant impact upon Operational Plans, etc.



C.J. Knight
Colonel

Director of Medical Operations and Training
for Chief of the Defence Staff

RESTRICTED

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Quartier Général de la Défense Nationale
Ottawa (Ontario)
K1A 0K2

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DEPARTMENT OF NATIONAL DEFENCE
MINISTÈRE DE LA DÉFENSE NATIONALE

MINUTE SHEET - NOTE DE SERVICE

SECURITY CLASSIFICATION - COTE DE SÉCURITÉ

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FILE NO. - NO DE DOSSIER

2422-B-06-301-001/FP001 - D.T. 1327 (DMOT 2)

DATED - DATÉE

24 Nov 81

SUBJECT - SUJET

Writing Plans CFP301 - Land funns in battle

REFERRED TO
TRANSMISE À

REMARKS - REMARQUES

(TO BE SIGNED IN FULL SHOWING APPOINTMENT, TELEPHONE NUMBER AND DATE)
(ATTACHÉ DE SIGNATURE, FONCTION, NUMÉRO DE TÉLÉPHONE ET DATE)

②

DMOT 2
(through DPM)
R.T.

1. Ref has been reviewed by DPM.
2. Comments are as fol:
 - a. Chap 2, Sect 3. Mention of CSS (sub-para h) implies discussion of COMCOM. The COMEDCOM org is large enough to warrant special mention.
 - b. Chap 5. Can one assume that the medical factors of NBCW will be covered in depth. This is important as it could have an impact upon ops plans, etc.
3. The remainder appears more than adequate insofar as one can tell from a writing plan.

2 Dec 81

Jamie Daw
DPM 3
5-5205

RESTRICTED

MEMORANDUM

2922-B-OG-301-001/FP001
TD 1327 (DMOT 2)

24 Nov 81

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WRITING PLANS
CFP 301 - LAND FORMATIONS IN BATTLE

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

G.H. Rice
G.H. Rice
LCol
DMOT 2
6-2131

Encl: 1

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FILE REFERENCE <i>5/26/11</i>		
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<i>DPM</i>		<i>K</i>
<i>DPM-3</i>	<i>2/12/81</i>	<i>J</i>

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5851-23 (DSDS 2)

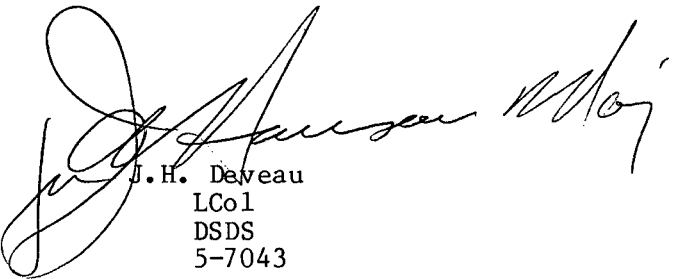
01 Dec 81

DMOT-2

WRITING PLAN - CFP 301
SOCIAL WORK SERVICES
2922-B-OG-301-001/FP001 TD 1327

Refs: A. (DMOT 2) 24 Nov 81
B. RV 81 - Social Work Services Services Terms of Reference
(copy attached)

1. The writing plan for CFP 301 has been reviewed by this Directorate. It is requested that the following information be included in any comments/recommendations passed to FMCHQ.
2. During Exercise Rendezvous 81, 01 Jun - 07 Jul in Gagetown, employment of a social work officer was incorporated into the medical plan. This marked the first time a social worker was utilized in this role during field operations. FMCHQ is still evaluating this feature of RV 81, but preliminary information suggests valuable experience was gained that will lead to permanent inclusion of social work services in the field.
3. Attached is a copy of the Terms of Reference for Social Work Services that were situated at 1 Canadian Division Medical Station. This should serve as a guide for future exercises/operations of this type.
4. It is requested that this Directorate be involved in any detailed writing of a social work input into CFP 301.


J.H. Deveau
LCol
DSDS
5-7043

Attachment: 1

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RV 81 - SOCIAL WORK SERVICES

TERMS OF REFERENCE

1. Mission

To provide professional social work services to 1 Cdn Div during RV 81.

2. Objectives

- a. To contribute to the achievement of a high level of moral, efficiency and mental health in units/fmns mobilized for RV 81.
- b. To provide social work services to units/fmns confronted with complex personnel psycho-social problems.
- c. To acquire combat field knowledge and experience in the delivery of professional social work services.

3. Duties and Responsibilities

- a. To advise and assist on a consultant basis unit/fmns commanding officers in matters relating to their personnel psycho-social problems.
- b. To evaluate and report on compassionate situations for the guidance of units/fmns commanding officers.
- c. To provide direct professional therapeutic/counselling intervention to members in collaboration with medical and psychiatric services for the prevention and treatment of psycho-social problems.
- d. To liaise with other professionnels and particularly his own professional network in order that social and family problems can be prevented and/or resolved.
- e. To conduct an evaluative study on the delivery of social work services in field operations.

4. Areas of expertise

The SWO is professionally qualified to assess, diagnose, treat, undertake consultation and make recommendations concerning:

- a. Compassionate problems such as those involving an illness or mental or physical handicap of a member, dependant or other close relative.
- b. Marital problems.

- 2 -

- c. Problems involving misuse of alcohol and other drugs of dependence.
- d. Problems arising from family separation.
- e. Financial problems where such difficulty is a symptom of an underlying personal problem.
- f. Problems of a member involving serious personal adjustment to a particular environmental situation.
- g. Problems involving the use of civilian social welfare resources such as services for physically handicapped or mentally retarded children, mental health services, marriage counselling services, adoption and child welfare services, and visiting homemaker services.
- h. And as a member of a multidisciplinary treatment team, symptoms and problems related to neuropsychiatric/stress casualties.

DEPARTMENT OF NATIONAL DEFENCE
MINISTÈRE DE LA DÉFENSE NATIONALE

MINUTE SHEET — NOTE DE SERVICE

SECURITY CLASSIFICATION — COTE DE SÉCURITÉ

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FILE NO. — NO DE DOSSIER

2922-B-06-301-001/FP_{TD} 001 TD 1327

DATED — DATÉE

24 Nov 81

SUBJECT — SUJET Follow up action Writing Plans - CF3 301 -
Land Formations in Battle

REFERRED TO
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REMARKS — REMARQUES

(TO BE SIGNED IN FULL SHOWING APPOINTMENT, TELEPHONE NUMBER AND DATE)
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DMOT-2

1. Nil return or comment.

Helen F. Ott

Helen F. Ott
Col
DNS
6-4016

07 December 81

MEMORANDUM

2910-CFP 300 TD 1327 (DMAR)
2922-B-OG-301-001/FP001
TD 1327

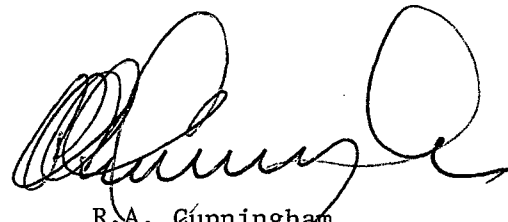
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WRITING PLANS
CFP 300 - THE ARMY
CFP 301 - LAND FORMATIONS IN BATTLE

Refs: A. 2910-CFP 300 TD 1327 (DMOT 2) 24 Nov 81
B. 2922-B-OG-301-001/FP001 TD 1327 (DMOT 2) 24 Nov 81

1. This directorate submits a nil return to Refs A and B.



R.A. Cunningham
Col
DMAR
5-6131

Rec'd 26/11/81

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MEMORANDUM

2922-B-OG-301-001/FP001
TD 1327 (DMOT 2)

24 Nov 81

Distribution List

WRITING PLANS
CFP 301 - LAND FORMATIONS IN BATTLE

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

G.H. Rice
G.H. Rice
LCol
DMOT 2
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2910-CFP 300 TD 1327 (DMOT 2)

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CFP 300 - THE ARMY

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

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G.H. Rice
G.H. Rice
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2910-CFP 300 TD 1327 (DMOT 2)

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WRITING PLANS
CFP 300 - THE ARMY

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Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

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G.H. Rice
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6-2131

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DMOT 2

No comment on the plan however close monitoring will be required to ensure end (cons) is accurately reflected in text

25/11

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2910-CFP 300 TD 1327 (DMOT 2)

24 Nov 81

Distribution List

WRITING PLANS
CFP 300 - THE ARMY

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

G.H. Rice
G.H. Rice
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*I have encountered
the interim version.
This plan will undoubtedly
lead to a comprehensive
text book.*

PT
OT 2-3
25 NOV 81

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MEMORANDUM

PA.

2922-B-OG-301-001/FP001
TD 1327 (DMOT 2)

24 Nov 81

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WRITING PLANS
CFP 301 - LAND FORMATIONS IN BATTLE

Ref: A. FMC 2910-CFP 300 (CD) over 2910-CFP 301 13 Nov 81 (Copy encl)

1. The enclosed copy of Ref A is self explanatory. Addressees are requested to forward any comments/recommendations to DMOT 2 no later than 8 Dec 81.

G.H. Rice
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(2)
DMOT 2-2

1. Comments received are at fly.
2. Please consolidate + prepare reply for DMOT approval

G.H. Rice
9 Dec 81
DMOT 2

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Canadian Armed Forces
Mobile Command

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Forces armées canadiennes
Force mobile



✓ FMC 2910-CFP 300 (CD)
2910-CFP 301

Mobile Command Headquarters
Ottawa, Ontario
K1A 0K2

13 November 1981
NDHQS/SCDCA 3-2-2

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WRITING PLANS

CFP 300 - THE ARMY

CFP 301 - LAND FORMATIONS IN BATTLE

File No
Dossier No. 2922-B-06-301-001/FP-001
Changed to Charge 2

- References:
- A. Army Doctrine and Tactics Board SOPs issued under cover of NDHQ 2910-2 (CLDO) 30 May 80
 - B. Army Doctrine and Tactics Board Working Group Meeting, Lahr Germany 20-21 Oct 81

1. Enclosed please find a copy(s) of the writing plan for CFP 300-The Army and CFP 301-Land Formations in Battle. These writing plans have been forwarded for staffing in accordance with Reference A and the direction provided by Reference B.

2. CFP 300 and 301 are the "keystone manuals" of Army doctrine. All other Army manuals will subsequently be based on these two manuals. Primary inputs for the keystone manuals will be:

- a. ATP 35(A) (2nd Preliminary Draft) - NATO Land Force Doctrine;
- b. CFP 300 (Interim) - Conduct of Land Operations;
- c. CFP 301(1) (2nd Draft) - Formations in Battle;
- d. The Land Force Combat System Study distributed under cover of Secret FMC 3189-3-11 (CD) 5 Oct 81 and the operational concepts being developed from this study by NDHQ (DLCD 3); and the
- e. Army Combat Development Guide (Secret).

3. Reference will also be made to the ABCA Combat Development Guide (2000) (Secret), various related ATPs, STANAGs and staff colleges precis. Doctrinal references of major allies (UK, FRG, USA) well also be consulted

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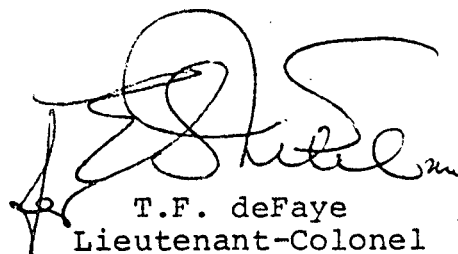
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*copy on
2910-CFP 300*


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- 2 -

4. Comments/recommendations are requested no later than 15 Dec 81. The keystone manuals author, LCol R.E. Acreman (Roger) can be reached at local 404. Comments should be directed to this Headquarters for the attention of SSO CD Coord.


T.F. deFaye
Lieutenant-Colonel

A/Deputy Chief of Staff Combat Development
for Commander Mobile Command

 Enclosure

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CFP 301 - LAND FORMATIONS IN BATTLE

Preface - Aim, Scope, Context, Terminology, Forces, Definitions

Chapter 1 - Introduction

Chapter 2 - Organizations

Chapter 3 - Command and Control

Chapter 4 - Fire Support Planning and Coordination

Chapter 5 - Nuclear and Chemical Operations

Chapter 6 - Intelligence Operations

Chapter 7 - Electronic Warfare Operations

Chapter 8 - Combat Service Support

Chapter 9 - Offensive Operations

Chapter 10 - Defensive Operations

Chapter 11 - Retrograde Operations

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Part E - Limited Visibility/Night Operations

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Part G - Defence of Coastal Areas

Chapter 13 - Specialized Operations

Part A - Crossing and Breaching Operations

Part B - Amphibious Operations

Part C - Airborne Operations

Part D - Airmobile Operations

Part E - Operations in Enemy Controlled Territory

Part F - Operations Involving Encircled Forces

Part G - Link Up Operations

Part H - Relief Operations

Part J - Peacekeeping Operations (UN)

Part K - Internal Security Operations

RESTRICTED

CFP 301 - LAND FORMATIONS IN BATTLE (WRITING PLAN)

PAGE: 1

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
<u>Preface</u>				<ul style="list-style-type: none"> a. <u>Aim.</u> b. <u>Context.</u> c. <u>Caveat on Doctrine.</u> 	Relationship to other manuals/CD process; basically that doctrine must be applied in consonance with military judgement
1	<u>INTRODUCTION</u>	1	<u>General</u>	<ul style="list-style-type: none"> a. <u>Aim:</u> "to present the tactical doctrine for the conduct of land operations at the formation level". b. <u>Scope:</u> <ul style="list-style-type: none"> (1) outline organization of formations; (2) roles and capabilities; (3) command and control; (4) the tactical handling of formations in all phases of war. c. <u>Forces.</u> 	Focus to be on armoured/mechanized formations within NATO in Central Europe
		2	<u>An Outline History of Canadian Formations</u>	<ul style="list-style-type: none"> a. <u>The First World War.</u> b. <u>The Second World War.</u> c. <u>Recent Evolution.</u> 	<p>Intent of this section is to provide a very brief historical perspective of Canadian Army formations</p> <p>Korea Infantry Brigade Groups Mechanized Brigades Combat Groups Standard Brigade Groups CD process to Canadian Corps</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
1 Cont'd		3	<u>Types of Formations</u>	a. <u>The Hierarchy of Formations.</u> b. <u>Types of Formations.</u>	Army Group, Army, Corps, Division, Brigade Group, Brigade Armoured, Mechanized, Airborne, Infantry
		4	<u>Roles, Tasks, Limitation</u>	a. <u>Roles.</u> b. <u>Tasks/Capabilities.</u> c. <u>Limitations.</u>	By type formation Refs: CFP 300 (Interim) CFP 301(1) (2nd Draft) CSC 203/204 System/Branch Studies
2	<u>ORGANIZATIONS</u>				
<u>PART A</u>	<u>The Corps</u>	1	<u>Introduction</u>		To include a typical corps organizational diagram (System Study)
		2	<u>HQ Org</u>	a. <u>General.</u> b. <u>Outline Organization.</u>	To be developed more fully in Chap 3 Cmd and Con
		3	<u>Major Components of the Corps</u>	a. <u>Armour.</u> b. <u>Artillery.</u> c. <u>Infantry.</u> d. <u>Engineers.</u>	as per CSC 203 - paragraphs discuss one level down, eg., Armour would discuss the Armoured Recce Brigade

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> e. <u>Signals.</u> f. <u>Aviation.</u> g. <u>Intelligence.</u> h. <u>Combat Service Support.</u> 	<ul style="list-style-type: none"> as per CSC 203 - paragraphs discuss one level down, eg., Armour would discuss the Armoured Recce Brigade
<u>PART B</u>	<u>The Division (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of divisions
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	To be developed more fully in Chap 3 Cmd and Con
		3	<u>Major Components of the Division</u>	<ul style="list-style-type: none"> a. <u>Brigades.</u> b. <u>The Recce Regiment.</u> c. <u>Divisional Artillery.</u> d. <u>Divisional Engineers.</u> e. <u>HQ and Signals Regiment.</u> f. <u>The Anti-Tank Battalion.</u> g. <u>The Aviation Wing.</u> h. <u>The Intelligence Company.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> j. <u>The EW Squadron.</u> k. <u>The MP Company.</u> m. <u>The DISGP.</u> n. <u>The Med Gp.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204
<u>PART C</u>	<u>The Brigade (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of brigade/brigade groups
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	<ul style="list-style-type: none"> System Study CFP 301(1) (2nd Draft)
		3	<u>Major Units of the Brigade</u>	<ul style="list-style-type: none"> a. <u>The Armoured Regiment.</u> b. <u>Infantry Battalions.</u> c. <u>The Recce Squadron.</u> d. <u>HQ and Signal Squadron.</u> 	
3	<u>COMMAND AND CONTROL</u>	1	<u>Introduction</u>		
		2.	<u>Command</u>	<ul style="list-style-type: none"> a. <u>The Commander.</u> b. <u>Command.</u> c. <u>Commander's Concept of Operations.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd				<ul style="list-style-type: none"> d. <u>Delegation and Teamwork.</u> e. <u>Chain of Command.</u> f. <u>Continuity of Command.</u> g. <u>Operational Relationships.</u> h. <u>Administrative Relationships.</u> j. <u>Establishing Communications and Liaison.</u> 	<ul style="list-style-type: none"> CSC 203/System Study
		3	<u>Corps HQ</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Functions.</u> c. <u>Staff Organization.</u> d. <u>Operations Branch.</u> e. <u>Intelligence Branch.</u> f. <u>Personnel Branch.</u> g. <u>Logistics Branch.</u> h. <u>CIMIC Branch.</u> j. <u>Advisers.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		4	<u>Div HQ</u>	a. <u>General.</u>	CSC 204/System Study and CFP 301(2) (2nd Draft)
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
				f. <u>Advisers.</u>	
		5	<u>Bde HQ</u>	a. <u>General.</u>	as above
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
		6	<u>HQ Operations</u>	a. <u>General.</u>	Layouts to be included as annexes CFP 301(1) (2nd Draft)
				b. <u>Standard Operating Procedures.</u>	
				c. <u>Siting and Layout.</u>	
				d. <u>Deployment.</u>	
				e. <u>Functioning of a HQ.</u>	
				f. <u>Training.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		7	<u>Communications</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibilities.</u> c. <u>Security.</u> 	CSC 203, 204 and CFP 301(1) (2nd Draft)
		8	<u>Battle Procedure</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> 	
4	<u>FIRE SUPPORT PLANNING AND COORDINATION</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibility for Fire Support Planning and Coordination.</u> 	Cross index to relevant sub level manuals
		2	<u>Allotment of Field Artillery</u>	<ul style="list-style-type: none"> a. <u>Command and Control.</u> b. <u>At Priority Call.</u> c. <u>In Direct Support.</u> d. <u>In Support.</u> 	explain diagrammatically
		3	<u>Coordinating and Limiting Measures</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fire Support Coordination Line.</u> c. <u>No Fire Line.</u> d. <u>Fire Coordination Line.</u> e. <u>Boundary.</u> 	explain diagrammatically

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
4 Cont'd		4	<u>Detailed Fire Planning</u>	a. <u>General.</u> b. <u>The Fire Planning Process.</u>	Chart to be used to graphically describe procedures; a typical fire support annex to an OpO to be included
		5	<u>Allocation of Ammo</u>	a. <u>General.</u> b. <u>Assessment of Requirement and Supply.</u> c. <u>Planning and Control.</u>	Refs: CSC 203 System/Branch Study CFP 301(1) (2nd Draft) CFP 300 (Interim) STANAG 2099
		6	<u>Offensive Air Support</u>	<u>To be developed.</u>	<u>NOTE:</u> Chap will include all forms of fire support
5	<u>NUCLEAR AND CHEMICAL OPERATIONS</u>				
<u>PART A</u>	<u>Nuclear</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>The Nuclear Threat.</u> c. <u>CF Policy.</u> d. <u>NATO Concept.</u> e. <u>The Conventional - Nuclear Concept.</u>	To include a brief footnote on exclusion of biological warfare Cross index to relevant sub level manuals
		2	<u>A Nuclear Weapons Package</u>	a. <u>General.</u> b. <u>Number of Weapons.</u> c. <u>Time.</u>	To include target analysis

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd				<ul style="list-style-type: none"> d. <u>Area.</u> e. <u>Constraints.</u> f. <u>Sub package.</u> 	As per CSC 203/CFP 301(1) (2nd Draft) include ADMs
		3	<u>Employing a Package</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Nuclear Release and Employment.</u> c. <u>Corps Control.</u> d. <u>Troop Warning.</u> e. <u>Nuclear Fire Planning.</u> 	
		4	<u>Effects on Tactics</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Effect at Corps/Division.</u> c. <u>Effect at Brigade/Unit.</u> d. <u>Effect at Combat Team.</u> 	
<u>PART B</u>	<u>Chemical</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>History.</u> c. <u>The Threat.</u> d. <u>Canadian Policy.</u> 	Cross index to relevant sub level manuals

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd		2	<u>The Nature of Chemical Agents</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Types.</u> c. <u>Effects.</u> 	<p>Use in phases of war discussed in appropriate chapters on phases of war</p> <p>CSC 203/CFP 301(1) (2nd Draft)</p>
		3	<u>The Employment of Chemical Weapons</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Concept of Employment.</u> c. <u>Chemical Target Analysis.</u> 	
		4	<u>Chemical Defence</u>	<ul style="list-style-type: none"> a. <u>Warning.</u> b. <u>Protection.</u> c. <u>Decontamination.</u> 	
		<u>ANX A</u>	<u>Nuclear Weapon Effects</u>		
		<u>ANX B</u>	<u>Tactical Nuclear Delivery Systems</u>		
		<u>ANX C</u>	<u>Nuclear Strike Warning</u>		
		<u>ANX D</u>	<u>Types of Chemical Agents</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6	<u>INTELLIGENCE OPERATIONS</u>	1	<u>Introduction</u>	a. <u>General.</u>	Cross index to relevant sub level manuals
				b. <u>The Battlefield (Intelligence View Point).</u>	
		2	<u>Intelligence</u>	a. <u>The Requirement.</u>	CSC 203/Branch/System Studies
				b. <u>Intelligence Services.</u>	
				c. <u>The Intelligence Cycle.</u>	
				d. <u>Direction.</u>	
				e. <u>Intelligence Estimate.</u>	
				f. <u>Processing.</u>	
				g. <u>Dissemination.</u>	
				h. <u>The Appreciation.</u>	
		3	<u>Counter Intelligence</u>	a. <u>General.</u>	
				b. <u>Planning.</u>	
				c. <u>Measures.</u>	
		4	<u>Deception Operations</u>	a. <u>General.</u>	
				b. <u>The Concept.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6 Cont'd		5	<u>PSY OPS</u>	<ul style="list-style-type: none"> c. <u>Types of Deception.</u> d. <u>Deception Planning/Conduct.</u> a. <u>General.</u> b. <u>The Concept.</u> c. <u>Organization.</u> d. <u>Planning/Conduct.</u> 	Along the lines of CSC 202
		<u>ANX A</u>	<u>The Intelligence Cycle</u>		
		<u>ANX B</u>	<u>The Intelligence Estimate</u>		
7	<u>ELECTRONIC WARFARE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Definitions.</u> c. <u>The Threat.</u> 	<p>Cross index to relevant sub level manuals</p> <p>Refer to CSC 203, CFP 301(1) (2nd Draft)</p>
		2	<u>Operations</u>	<ul style="list-style-type: none"> a. <u>Organization(s)</u> b. <u>Functions and Techniques.</u> c. <u>Operations and Tactics.</u> 	<p>Staff College Precis</p> <p>Include figure on EW sequence</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
7 Cont'd				<ul style="list-style-type: none"> d. <u>Command and Control.</u> e. <u>References.</u> 	
8	<u>COMBAT SERVICE SUPPORT</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Concept of Operations.</u> 	<ul style="list-style-type: none"> cross index to relevant sub level manuals diagram
		2	<u>Functions</u>	<ul style="list-style-type: none"> a. <u>Administration.</u> b. <u>CIMIC.</u> c. <u>Legal Services.</u> d. <u>Maintenance Services.</u> e. <u>Supply Services.</u> f. <u>Medical Services.</u> g. <u>Transportation Services.</u> h. <u>Personnel Services.</u> j. <u>Financial Services.</u> 	<ul style="list-style-type: none"> CSC 203, 205, CFP 305(1), Adm Study/System Study diagrams to be included when appropriate, eg, casevac system
		3	<u>Organizations</u>	<ul style="list-style-type: none"> a. <u>Corps-wide Service Groups.</u> b. <u>Support Groups.</u> c. <u>Divisional Units.</u> 	<ul style="list-style-type: none"> organizational diagrams to be included

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
8 Cont'd		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Roles/Responsibilities of Commanders.</u> c. <u>COSCOM/DISGP HQ Organization.</u> d. <u>Relationship of HQs.</u> e. <u>Administrative Areas.</u> f. <u>Communications.</u> 	<div style="border-left: 1px solid black; padding-left: 10px; margin-left: 10px;"> CSC 203, 205, CFP 305(1), Adm Study/System Study </div>
9	<u>OFFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Offensive Battle (Concept).</u> 	ACN 71031/System/Branch Studies Land Force Combat Development Guide
		2	<u>The Advance</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Influence of Nuclear/Chemical.</u> f. <u>Combat Service Support Considerations.</u> 	Include discussion of the meeting engagement

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
9 Cont'd		3	<u>The Attack</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Influence of Nuclear/Chemical.</u> f. <u>Combat Service Support Considerations.</u> 	To include concept. (Cross reference to limited visibility/night operations in Chap 12)
		4	<u>Exploitation/Pursuit</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Exploitation.</u> c. <u>Pursuit.</u> d. <u>Influence of Nuclear/Chemical.</u> e. <u>Combat Service Support Considerations.</u> 	
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK</u> (ADN 70633). c. <u>FRG</u> (HDV 100/100). d. <u>US</u> (FM 100-5 - Final Draft). 	(This Chap based primarily on CSC 204 and CFP 301(1))

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10	<u>DEFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Defensive Battle.</u> 	<p>Include purpose</p> <p>To include notion of "the extended battlefield"</p> <p>Three stages</p>
		2	<u>Concept of Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>A Single Concept - Defence.</u> c. <u>Factors.</u> d. <u>Forms of Defence.</u> <ul style="list-style-type: none"> (1) Attack the enemy as he approaches; (2) Fight the enemy on a major obstacle; (3) Accept penetration and attack enemy flanks and rear. 	<p>With two major complementary elements (static and dynamic)</p> <p>diagrams to be used</p>
		3	<u>Planning the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Estimate/Plan.</u> c. <u>Frontages.</u> d. <u>Deployment.</u> 	<p>Layout of a Corps (diagram) to be included</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd				<ul style="list-style-type: none"> e. <u>The Obstacle Plan.</u> f. <u>The Fire Plan.</u> g. <u>The Surveillance Plan.</u> h. <u>The Air Defence Plan.</u> j. <u>Tactical Air/Aviation.</u> k. <u>The EW Plan.</u> m. <u>The Intelligence Plan.</u> n. <u>Blocking and C Attacking.</u> p. <u>RAS.</u> q. <u>Rear Area Damage Control.</u> 	<p>Reference for this Chap include: CFP 301(1) (2nd Draft) System Study and CFP 300 (Interim) Land Force Conduct Development Guide</p>
		4	<u>Conduct of the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Covering Force Stage.</u> c. <u>The Main Defence Stage.</u> <ul style="list-style-type: none"> (1) battle on the obstacle; (2) the containment battle. d. <u>The Counter Attack Stage.</u> 	<p>diagram</p>
		5	<u>Influence of NBCW</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u> 	
		ANX A	<u>Ground Analysis</u>		
11	<u>RETROGRADE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Types of Retrograde Operations.</u> <ul style="list-style-type: none"> (1) Delay; (2) Withdrawal; (3) Retirement. 	<p>ACN 71031/System Study</p> <p>CFP 301(1) (2nd Draft) CFP 300 (Interim)</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd		2	<u>Delaying Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>Types.</u> d. <u>Composition of a Delaying Force.</u> e. <u>Planning of Delaying Operations.</u> f. <u>Conduct of Delaying Operations.</u> g. <u>Command and Control.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) (2nd Draft) CFP 300 (Interim) </div>
		3	<u>Withdrawal Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>Grouping.</u> d. <u>Planning of the Withdrawal.</u> 	
		4	<u>Common Aspect of Delaying and Withdrawal Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Obstacles.</u> c. <u>Control of Demolitions.</u> d. <u>Tactical Air and Aviation.</u> e. <u>Air Defence.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd				<ul style="list-style-type: none"> f. <u>Liaison.</u> g. <u>The Civil Population.</u> h. <u>Influence of NBCW.</u> j. <u>Combat Service Support Considerations.</u> 	
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u> 	
12	<u>OPERATIONS IN UNIQUE ENVIRONMENT</u>				
<u>PART A</u>	<u>Forest Operation</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment.</u> 	Refer to sub level manuals FM 100-5 HDV 100/100 ATP 35(A) Staff College Precis(s) ACN 70633 FM 90-5
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<ul style="list-style-type: none"> FM 100-5 HDV 100/100 ATP 35(A) Staff College Precis(s) ACN 70633 FM 90-5
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART C</u>	<u>Arctic/Cold Weather Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics.</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General</u> b. <u>The Threat</u> c. <u>Planning/Conduct of Operations</u> 	<ul style="list-style-type: none"> APT 35(A) FM 100-5 Staff College Precis FM 90-11

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct Operations.</u> 	<div style="border-left: 1px solid black; padding-left: 10px;"> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART D</u>	<u>Desert Operation</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics.</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	<div style="border-left: 1px solid black; padding-left: 10px;"> FM 100-5 CFP 301(1) ACN 70633 HDV 100/100 FM 90-3 </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART E</u>	<u>Limited Visibility/ Night Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment.</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633 </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<ul style="list-style-type: none"> ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633
		4	<u>Regrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART F</u>	<u>Operations in Built Up Areas</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Contuct of Operations</u> 	<ul style="list-style-type: none"> ATP 35(A) CFP 301(1) FM 100-5 Staff College Precis ACN 70633

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> ATP 35(A) CFP 301(1) FM 100-5 Staff College Precis ACN 70633 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART G</u>	<u>Defence of Coastal Areas</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> 	This part will focus on meeting the amphibious threat; related to Part B of Chap 13 (Amphibious Operations)
		2	<u>Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Influence of NBCW</u>		<div> <div>ATP 35(A)</div> <div>FM 100-5</div> <div>CFP 301(1)</div> <div>Staff College Precis</div> </div>
		4	<u>Combat Service Support Considerations</u>		
13	<u>SPECIALIZED OPERATIONS</u>				
<u>PART A</u>	<u>Crossing and Breaching Operations</u>	1	<u>Introduction</u>	a. <u>Aim.</u> b. <u>Scope.</u>	Refer to sub level manuals
		2	<u>Common Features</u>	a. <u>Tactical Functions of Obstacles.</u> b. <u>Categories of Obstacles.</u> c. <u>Types of Operations.</u> d. <u>Prerequisites for Success.</u> e. <u>Phasing.</u> f. <u>Planning Sequence.</u> g. <u>Influence of NBCW</u>	<div> <div>ATP 35(A)</div> <div>CFP 301(1)</div> <div>CFP 319</div> <div>HDV 100/100</div> <div>Staff College</div> <div>Precis</div> <div>ACN 70633</div> </div> <div>Essentially as per CFP 301(1) but with less detail</div>
		3	<u>Water Crossing Operations</u>	a. <u>General/Threat.</u> b. <u>Basic Features.</u> c. <u>Planning</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Minefield Breaching Operations</u>	<ul style="list-style-type: none"> d. <u>Conduct.</u> e. <u>Command and Control.</u> a. <u>General/Threat.</u> b. <u>Types of Breaching.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Command and Control.</u> 	<p>include figure on move forward of assault elements bridging and rafting</p> <p>ATP 35(A) CFP 301(1) CFP 319 HDV 100/100 Staff College Precis ACN 70633</p> <p>Essentially as per CFP 301(1) but with less detail</p>
<u>PART B</u>	<u>Amphibious Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Principles.</u> d. <u>Characteristics.</u> e. <u>Types.</u> f. <u>The Threat.</u> 	<p>ATP 35(A) ATP 8 JSP 4</p>
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Planning Sequence.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Fire Support/Coordination.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> <p>ATP 35(A) ATP 8 JSP 4</p> <p style="text-align: right;">diagram to be used</p> </div>
		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Task Force Organization(s).</u> c. <u>Joint Force Commander.</u> d. <u>Component Commanders.</u> e. <u>Relationships/Cooperation.</u> f. <u>Communications.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Sequence Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART C</u>	<u>Airborne Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Purpose.</u> c. <u>Characteristics.</u> d. <u>Types of Operations.</u> e. <u>The Threat.</u> 	refer to sub level manuals
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Ground Tactical Plan.</u> c. <u>Landing Plan.</u> d. <u>Air Movement Plan.</u> e. <u>Assault.</u> f. <u>Subsequent Operations.</u> 	as likely to be encountered by AB forces
		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Seize and Hold Operations.</u> c. <u>Air Interdiction Operations.</u> d. <u>Airborne Raid.</u> 	ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Command and Control</u>		<div> </div> ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Consideration</u>		
		7	<u>Interoperability</u>		
		ANX A	<u>Organization of the Canadian Airborne Regiment</u>		
<u>PART D</u>	<u>Airmobile Operations</u>	1	<u>Introduction</u>	a. <u>Purpose.</u> b. <u>Capabilities.</u> c. <u>Limitations.</u> d. <u>Tasks.</u> e. <u>Basic Considerations.</u> f. <u>Operations Forward of the FEBA.</u> g. <u>The Threat.</u>	<div> </div> CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis as likely to be encountered by airmobile forces

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Requirements.</u> c. <u>Ground Tactical Plan.</u> d. <u>Landing Plan.</u> e. <u>Air Movement Plan.</u> f. <u>Loading Plan.</u> g. <u>Staging Plan.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> <p>CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis</p> </div>
		3	<u>Extrication/Link Up</u>		
		4	<u>Command and Control</u>		
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART E</u>	<u>Operations in Enemy Controlled Territory</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Fundamentals.</u> d. <u>Tasks.</u> e. <u>Types of Operations.</u> f. <u>The Threat.</u> 	
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Organization.</u> c. <u>Planning Factors.</u> d. <u>Conduct.</u> 	ATP 35(A)
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Command Arrangements.</u> c. <u>Communications.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART F</u>	<u>Operations Involving Encircled Forces</u>				
		1	<u>Introduction</u>	a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u>	
		2	<u>Defense by an Encircled Forces</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	
		3	<u>Breakout by an Encircled Force</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft) diagram to be included
		4	<u>Influence of NBCW</u>		
		5	<u>Combat Service Support Considerations</u>		
		6	<u>Interoperability</u>	a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u>	<u>NOTE:</u> Link Up Operations covered in Part G

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART G</u>	<u>Link-Up Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> <p>CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft)</p> <p>diagram</p> </div>
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>Command and Control.</u> d. <u>Coordination of Plans.</u> e. <u>Conduct.</u> f. <u>Action after Link Up.</u> 	
		3	<u>Influence of NBCW</u>		
		4	<u>Combat Service Support Considerations</u>		
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART H</u>	<u>Relief Operations</u>	1	<u>Introduction</u>	<p>a. <u>General.</u></p> <p>b. <u>Types of Relief Operations.</u></p> <p>(1) <u>Relief in Place.</u></p> <p>(2) <u>Passage of Lines.</u></p> <p>(3) <u>Withdrawal through a Rearward Position.</u></p> <p>c. <u>Common Considerations.</u></p> <p>d. <u>Threat.</u></p>	<p>CFP 301(1) FM 100-5 (final draft) ACN 70633 HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082</p> <p>diagram</p>
		2	<u>Relief in Place</u>	<p>a. <u>General.</u></p> <p>b. <u>Planning.</u></p> <p>c. <u>Conduct.</u></p>	
		3	<u>Passage in Lines</u>	<p>a. <u>General.</u></p> <p>b. <u>Planning.</u></p> <p>c. <u>Conduct.</u></p>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Withdrawal Through a Rearward Position</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	<ul style="list-style-type: none"> diagram
		5	<u>Influence of NBCW</u>		CFP 301(1)
		6	<u>Combat Service Support Considerations</u>		FM 100-5 (final draft)
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	<ul style="list-style-type: none"> ACN 70633 HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082
<u>PART J</u>	<u>Peacekeeping Operations (UN)</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Concept of Operations.</u> d. <u>Types of Operations.</u> e. <u>Basic Considerations.</u> f. <u>The Threat.</u> 	<ul style="list-style-type: none"> Cross refer to CFP 300 CFP 165 CFP 303(5)

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Mandate.</u> c. <u>Planning Sequence.</u> d. <u>Planning Factors.</u> 	<ul style="list-style-type: none"> related operational plans Land Force Combat Development Guide
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Relationships.</u> c. <u>Organization.</u> 	<ul style="list-style-type: none"> CFP 165 CFP 302(5)
		4	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Handling of Incidents.</u> c. <u>Use of Force.</u> 	
		5	<u>Combat Service Support Considerations</u>		
<u>PART K</u>	<u>Internal Security Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>The Threat.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Concept of Operations</u>		
		3	<u>Tasks</u>	<u>General</u> <u>Maintenance of Law and Order</u> <u>Offensive Operations</u>	CFP 165 CFP 300 (Interim) Related operational plans CFP 302(8) FM 90-8 Land Force Combat Development Guide
		4	<u>Command and Control</u>	<u>General</u> <u>Organization</u> <u>Intelligence and Security</u> <u>Cooperation</u>	
		5	<u>Combat Service Support Consideration</u>		

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Mobile Command

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✓ FMC 2910-CFP 300 (CD)
2910-CFP 301

Mobile Command Headquarters
Ottawa, Ontario
K1A 0K2

13 November 1981

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WRITING PLANS

CFP 300 - THE ARMY

CFP 301 - LAND FORMATIONS IN BATTLE

File No

Dossier No

2910-B 00-301-001/P-001

Charged to

- References:
- A. Army Doctrine and Tactics Board SOPs
issued under cover of NDHQ 2910-2 (CLDO)
30 May 80
 - B. Army Doctrine and Tactics Board Working
Group Meeting, Lahr Germany 20-21 Oct 81

1. Enclosed please find a copy(s) of the writing plan for CFP 300-The Army and CFP 301-Land Formations in Battle. These writing plans have been forwarded for staffing in accordance with Reference A and the direction provided by Reference B.

2. CFP 300 and 301 are the "keystone manuals" of Army doctrine. All other Army manuals will subsequently be based on these two manuals. Primary inputs for the keystone manuals will be:

- a. ATP 35(A) (2nd Preliminary Draft) - NATO Land Force Doctrine;
- b. CFP 300 (Interim) - Conduct of Land Operations;
- c. CFP 301(1) (2nd Draft) - Formations in Battle;
- d. The Land Force Combat System Study distributed under cover of Secret FMC 3189-3-11 (CD) 5 Oct 81 and the operational concepts being developed from this study by NDHQ (DLCD 3); and the
- e. Army Combat Development Guide (Secret).

3. Reference will also be made to the ABCA Combat Development Guide (2000) (Secret), various related ATPs, STANAGs and staff colleges precis. Doctrinal references of major allies (UK, FRG, USA) well also be consulted

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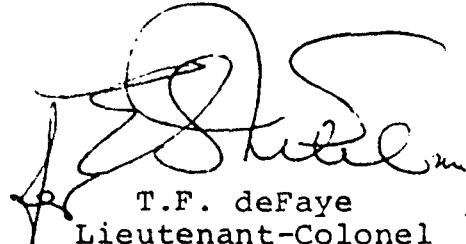
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- 2 -

4. Comments/recommendations are requested no later than 15 Dec 81. The keystone manuals author, LCol R.E. Acreman (Roger) can be reached at local 404. Comments should be directed to this Headquarters for the attention of SSO CD Coord.



T.F. deFaye
Lieutenant-Colonel
A/Deputy Chief of Staff Combat Development
for Commander Mobile Command

 Enclosure

DISTRIBUTION LIST

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DCOS CD
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CFP 301 - LAND FORMATIONS IN BATTLE

Preface - Aim, Scope, Context, Terminology, Forces, Definitions

Chapter 1 - Introduction

Chapter 2 - Organizations

Chapter 3 - Command and Control

Chapter 4 - Fire Support Planning and Coordination

Chapter 5 - Nuclear and Chemical Operations

Chapter 6 - Intelligence Operations

Chapter 7 - Electronic Warfare Operations

Chapter 8 - Combat Service Support

Chapter 9 - Offensive Operations

Chapter 10 - Defensive Operations

Chapter 11 - Retrograde Operations

Chapter 12 - Operations in Unique Environments

Part A - Forest Operations

Part B - Mountain Operations

Part C - Arctic Operations

Part D - Desert Operations

Part E - Limited Visibility/Night Operations

Part F - Operations in Build Up Areas

Part G - Defence of Coastal Areas

Chapter 13 - Specialized Operations

Part A - Crossing and Breaching Operations

Part B - Amphibious Operations

Part C - Airborne Operations

Part D - Airmobile Operations

Part E - Operations in Enemy Controlled Territory

Part F - Operations Involving Encircled Forces

Part G - Link Up Operations

Part H - Relief Operations

Part J - Peacekeeping Operations (UN)

Part K - Internal Security Operations

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CFP 301 - LAND FORMATIONS IN BATTLE (WRITING PLAN)

PAGE: ") "

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
<u>Preface</u>				<ul style="list-style-type: none"> a. <u>Aim.</u> b. <u>Context.</u> c. <u>Caveat on Doctrine.</u> 	Relationship to other manuals/CD process; basically that doctrine must be applied in consonance with military judgement
1	<u>INTRODUCTION</u>	1	<u>General</u>	<ul style="list-style-type: none"> a. <u>Aim:</u> "to present the tactical doctrine for the conduct of land operations at the formation level". b. <u>Scope:</u> <ul style="list-style-type: none"> (1) outline organization of formations; (2) roles and capabilities; (3) command and control; (4) the tactical handling of formations in all phases of war. c. <u>Forces.</u> 	Focus to be on armoured/mechanized formations within NATO in Central Europe
		2	<u>An Outline History of Canadian Formations</u>	<ul style="list-style-type: none"> a. <u>The First World War.</u> b. <u>The Second World War.</u> c. <u>Recent Evolution.</u> 	<p>Intent of this section is to provide a very brief historical perspective of Canadian Army formations</p> <p>Korea Infantry Brigade Groups Mechanized Brigades Combat Groups Standard Brigade Groups CD process to Canadian Corps</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
1 Cont'd		3	<u>Types of Formations</u>	a. <u>The Hierarchy of Formations.</u> b. <u>Types of Formations.</u>	Army Group, Army, Corps, Division, Brigade Group, Brigade Armoured, Mechanized, Airborne, Infantry
		4	<u>Roles, Tasks, Limitation</u>	a. <u>Roles.</u> b. <u>Tasks/Capabilities.</u> c. <u>Limitations.</u>	By type formation Refs: CFP 300 (Interim) CFP 301(1) (2nd Draft) CSC 203/204 System/Branch Studies
2	<u>ORGANIZATIONS</u>				
<u>PART A</u>	<u>The Corps</u>	1	<u>Introduction</u>		To include a typical corps organizational diagram (System Study)
		2	<u>HQ Org</u>	a. <u>General.</u> b. <u>Outline Organization.</u>	To be developed more fully in Chap 3 Comd and Con
		3	<u>Major Components of the Corps</u>	a. <u>Armour.</u> b. <u>Artillery.</u> c. <u>Infantry.</u> d. <u>Engineers.</u>	[as per CSC 203 - paragraphs discuss one level down, eg., - Armour would discuss the Armoured Recce Brigade

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> e. <u>Signals.</u> f. <u>Aviation.</u> g. <u>Intelligence.</u> h. <u>Combat Service Support.</u> 	<ul style="list-style-type: none"> as per CSC 203 - paragraphs discuss one level down, eg., Armour would discuss the Armoured Recce Brigade
<u>PART B</u>	<u>The Division (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of divisions
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	To be developed more fully in Chap 3 Comd and Con
		3	<u>Major Components of the Division</u>	<ul style="list-style-type: none"> a. <u>Brigades.</u> b. <u>The Recce Regiment.</u> c. <u>Divisional Artillery.</u> d. <u>Divisional Engineers.</u> e. <u>HQ and Signals Regiment.</u> f. <u>The Anti-Tank Battalion.</u> g. <u>The Aviation Wing.</u> h. <u>The Intelligence Company.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> j. <u>The EW Squadron.</u> k. <u>The MP Company.</u> m. <u>The DISGP.</u> n. <u>The Med Gp.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204
<u>PART C</u>	<u>The Brigade (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of brigade/brigade groups
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	<ul style="list-style-type: none"> System Study CFP 301(1) (2nd Draft)
		3	<u>Major Units of the Brigade</u>	<ul style="list-style-type: none"> a. <u>The Armoured Regiment.</u> b. <u>Infantry Battalions.</u> c. <u>The Recce Squadron.</u> d. <u>HQ and Signal Squadron.</u> 	
3	<u>COMMAND AND CONTROL</u>	1	<u>Introduction</u>		
		2.	<u>Command</u>	<ul style="list-style-type: none"> a. <u>The Commander.</u> b. <u>Command.</u> c. <u>Commander's Concept of Operations.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd				<ul style="list-style-type: none"> d. <u>Delegation and Teamwork.</u> e. <u>Chain of Command.</u> f. <u>Continuity of Command.</u> g. <u>Operational Relationships.</u> h. <u>Administrative Relationships.</u> j. <u>Establishing Communications and Liaison.</u> 	<ul style="list-style-type: none"> CSC 203/System Study
		3	<u>Corps HQ</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Functions.</u> c. <u>Staff Organization.</u> d. <u>Operations Branch.</u> e. <u>Intelligence Branch.</u> f. <u>Personnel Branch.</u> g. <u>Logistics Branch.</u> h. <u>CIMIC Branch.</u> j. <u>Advisers.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		4	<u>Div HQ</u>	a. <u>General.</u>	CSC 204/System Study and CFP 301(2) (2nd Draft)
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
				f. <u>Advisers.</u>	
		5	<u>Bde HQ</u>	a. <u>General.</u>	as above
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
		6	<u>HQ Operations</u>	a. <u>General.</u>	Layouts to be included as annexes CFP 301(1) (2nd Draft)
				b. <u>Standard Operating Procedures.</u>	
				c. <u>Siting and Layout.</u>	
				d. <u>Deployment.</u>	
				e. <u>Functioning of a HQ.</u>	
				f. <u>Training.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		7	<u>Communications</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibilities.</u> c. <u>Security.</u> 	CSC 203, 204 and CFP 301(1) (2nd Draft)
		8	<u>Battle Procedure</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> 	
4	<u>FIRE SUPPORT PLANNING AND COORDINATION</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibility for Fire Support Planning and Coordination.</u> 	Cross index to relevant sub level manuals
		2	<u>Allotment of Field Artillery</u>	<ul style="list-style-type: none"> a. <u>Command and Control.</u> b. <u>At Priority Call.</u> c. <u>In Direct Support.</u> d. <u>In Support.</u> 	explain diagrammatically
		3	<u>Coordinating and Limiting Measures</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fire Support Coordination Line.</u> c. <u>No Fire Line.</u> d. <u>Fire Coordination Line.</u> e. <u>Boundary.</u> 	explain diagrammatically

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
4 Cont'd		4	<u>Detailed Fire Planning</u>	a. <u>General.</u> b. <u>The Fire Planning Process.</u>	Chart to be used to graphically describe procedures; a typical fire support annex to an OpO to be included
		5	<u>Allocation of Ammo</u>	a. <u>General.</u> b. <u>Assessment of Requirement and Supply.</u> c. <u>Planning and Control.</u>	Refs: CSC 203 System/Branch Study CFP 301(1) (2nd Draft) CFP 300 (Interim) STANAG 2099
		6	<u>Offensive Air Support</u>	<u>To be developed.</u>	<u>NOTE:</u> Chap will include all forms of fire support
5	<u>NUCLEAR AND CHEMICAL OPERATIONS</u>				
<u>PART A</u>	<u>Nuclear</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>The Nuclear Threat.</u> c. <u>CF Policy.</u> d. <u>NATO Concept.</u> e. <u>The Conventional - Nuclear Concept.</u>	To include a brief footnote on exclusion of biological warfare Cross index to relevant sub level manuals
		2	<u>A Nuclear Weapons Package</u>	a. <u>General.</u> b. <u>Number of Weapons.</u> c. <u>Time.</u>	To include target analysis

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd				<ul style="list-style-type: none"> d. <u>Area.</u> e. <u>Constraints.</u> f. <u>Sub package.</u> 	As per CSC 203/CFP 301(1) (2nd Draft) include ADMs
		3	<u>Employing a Package</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Nuclear Release and Employment.</u> c. <u>Corps Control.</u> d. <u>Troop Warning.</u> e. <u>Nuclear Fire Planning.</u> 	
		4	<u>Effects on Tactics</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Effect at Corps/Division.</u> c. <u>Effect at Brigade/Unit.</u> d. <u>Effect at Combat Team.</u> 	
<u>PART B</u>	<u>Chemical</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>History.</u> c. <u>The Threat.</u> d. <u>Canadian Policy.</u> 	Cross index to relevant sub level manuals

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd		2	<u>The Nature of Chemical Agents</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Types.</u> c. <u>Effects.</u> 	<p>Use in phases of war discussed in appropriate chapters on phases of war</p> <p>CSC 203/CFP 301(1) (2nd Draft)</p>
		3	<u>The Employment of Chemical Weapons</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Concept of Employment.</u> c. <u>Chemical Target Analysis.</u> 	
		4	<u>Chemical Defence</u>	<ul style="list-style-type: none"> a. <u>Warning.</u> b. <u>Protection.</u> c. <u>Decontamination.</u> 	
		<u>ANX A</u>	<u>Nuclear Weapon Effects</u>		
		<u>ANX B</u>	<u>Tactical Nuclear Delivery Systems</u>		
		<u>ANX C</u>	<u>Nuclear Strike Warning</u>		
		<u>ANX D</u>	<u>Types of Chemical Agents</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6	<u>INTELLIGENCE OPERATIONS</u>	1	<u>Introduction</u>	a. <u>General.</u>	Cross index to relevant sub level manuals
				b. <u>The Battlefield (Intelligence View Point).</u>	
		2	<u>Intelligence</u>	a. <u>The Requirement.</u>	CSC 203/Branch/System Studies
				b. <u>Intelligence Services.</u>	
				c. <u>The Intelligence Cycle.</u>	
				d. <u>Direction.</u>	
				e. <u>Intelligence Estimate.</u>	
				f. <u>Processing.</u>	
				g. <u>Dissemination.</u>	
				h. <u>The Appreciation.</u>	
		3	<u>Counter Intelligence</u>	a. <u>General.</u>	
				b. <u>Planning.</u>	
				c. <u>Measures.</u>	
		4	<u>Deception Operations</u>	a. <u>General.</u>	
				b. <u>The Concept.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6 Cont'd		5	<u>PSY OPS</u>	<ul style="list-style-type: none"> c. <u>Types of Deception.</u> d. <u>Deception Planning/Conduct.</u> 	Along the lines of CSC 202
		ANX A	<u>The Intelligence Cycle</u>		
		ANX B	<u>The Intelligence Estimate</u>		
7	<u>ELECTRONIC WARFARE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Definitions.</u> c. <u>The Threat.</u> 	<p>Cross index to relevant sub level manuals</p> <p>Refer to CSC 203, CFP 301(1) (2nd Draft)</p>
		2	<u>Operations</u>	<ul style="list-style-type: none"> a. <u>Organization(s)</u> b. <u>Functions and Techniques.</u> c. <u>Operations and Tactics.</u> 	<p>Staff College Precis</p> <p>Include figure on EW sequence</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
7 Cont'd				<ul style="list-style-type: none"> d. <u>Command and Control.</u> e. <u>References.</u> 	
8	<u>COMBAT SERVICE SUPPORT</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Concept of Operations.</u> 	<ul style="list-style-type: none"> cross index to relevant sub level manuals diagram
		2	<u>Functions</u>	<ul style="list-style-type: none"> a. <u>Administration.</u> b. <u>CIMIC.</u> c. <u>Legal Services.</u> d. <u>Maintenance Services.</u> e. <u>Supply Services.</u> f. <u>Medical Services.</u> g. <u>Transportation Services.</u> h. <u>Personnel Services.</u> j. <u>Financial Services.</u> 	<ul style="list-style-type: none"> CSC 203, 205, CFP 305(1), Adm Study/System Study diagrams to be included when appropriate, eg, casevac system
		3	<u>Organizations</u>	<ul style="list-style-type: none"> a. <u>Corps-wide Service Groups.</u> b. <u>Support Groups.</u> c. <u>Divisional Units.</u> 	<ul style="list-style-type: none"> organizational diagrams to be included

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
8 Cont'd		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Roles/Responsibilities of Commanders.</u> c. <u>COSSOM/DISGP HQ Organization.</u> d. <u>Relationship of HQs.</u> e. <u>Administrative Areas.</u> f. <u>Communications.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CSC 203, 205, CFP 305(1), Adm Study/System Study </div>
9	<u>OFFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Offensive Battle (Concept).</u> 	ACN 71031/System/Branch Studies Land Force Combat Development Guide
		2	<u>The Advance</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Influence of Nuclear/Chemical.</u> f. <u>Combat Service Support Considerations.</u> 	Include discussion of the meeting engagement

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
9 Cont'd		3	<u>The Attack</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Influence of Nuclear/Chemical.</u> f. <u>Combat Service Support Considerations.</u> 	To include concept. (Cross reference to limited visibility/night operations in Chap 12)
		4	<u>Exploitation/Pursuit</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Exploitation.</u> c. <u>Pursuit.</u> d. <u>Influence of Nuclear/Chemical.</u> e. <u>Combat Service Support Considerations.</u> 	
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK</u> (ADN 70633). c. <u>FRG</u> (HDV 100/100). d. <u>US</u> (FM 100-5 - Final Draft). 	(This Chap based primarily on CSC 204 and CFP 301(1))

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10	<u>DEFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Defensive Battle.</u> 	<p>Include purpose</p> <p>To include notion of "the extended battlefield"</p> <p>Three stages</p>
		2	<u>Concept of Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>A Single Concept - Defence.</u> c. <u>Factors.</u> d. <u>Forms of Defence.</u> <ul style="list-style-type: none"> (1) Attack the enemy as he approaches; (2) Fight the enemy on a major obstacle; (3) Accept penetration and attack enemy flanks and rear. 	<p>With two major complementary elements (static and dynamic)</p> <p>diagrams to be used</p>
		3	<u>Planning the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Estimate/Plan.</u> c. <u>Frontages.</u> d. <u>Deployment.</u> 	<p>Layout of a Corps (diagram) to be included</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd				<ul style="list-style-type: none"> e. <u>The Obstacle Plan.</u> f. <u>The Fire Plan.</u> g. <u>The Surveillance Plan.</u> h. <u>The Air Defence Plan.</u> j. <u>Tactical Air/Aviation.</u> k. <u>The EW Plan.</u> m. <u>The Intelligence Plan.</u> n. <u>Blocking and C Attacking.</u> p. <u>RAS.</u> q. <u>Rear Area Damage Control.</u> 	Reference for this Chap include: CFP 301(1) (2nd Draft) System Study and CFP 300 (Interim) Land Force Conduct Development Guide
		4	<u>Conduct of the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Covering Force Stage.</u> c. <u>The Main Defence Stage.</u> <ul style="list-style-type: none"> (1) battle on the obstacle; (2) the containment battle. d. <u>The Counter Attack Stage.</u> 	diagram
		5	<u>Influence of NBCW</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u> 	
		ANX A	<u>Ground Analysis</u>		
11	<u>RETROGRADE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Types of Retrograde Operations.</u> <ul style="list-style-type: none"> (1) Delay; (2) Withdrawal; (3) Retirement. 	<p>ACN 71031/System Study</p> <p>CFP 301(1) (2nd Draft) CFP 300 (Interim)</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd		2	<u>Delaying Operations</u>	a. <u>General.</u>	CFP 301(1) (2nd Draft) CFP 300 (Interim)
				b. <u>Fundamentals.</u>	
				c. <u>Types.</u>	
				d. <u>Composition of a Delaying Force.</u>	
				e. <u>Planning of Delaying Operations.</u>	
				f. <u>Conduct of Delaying Operations.</u>	
				g. <u>Command and Control.</u>	
		3	<u>Withdrawal Operations</u>	a. <u>General.</u>	
				b. <u>Fundamentals.</u>	
				c. <u>Grouping.</u>	
				d. <u>Planning of the Withdrawal.</u>	
		4	<u>Common Aspect of Delaying and Withdrawal Operations</u>	a. <u>General.</u>	
				b. <u>Obstacles.</u>	
				c. <u>Control of Demolitions.</u>	
				d. <u>Tactical Air and Aviation.</u>	
				e. <u>Air Defence.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd				<ul style="list-style-type: none"> f. <u>Liaison.</u> g. <u>The Civil Population.</u> h. <u>Influence of NBCW.</u> j. <u>Combat Service Support Considerations.</u> 	
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u> 	
12	<u>OPERATIONS IN UNIQUE ENVIRONMENT</u>				
<u>PART A</u>	<u>Forest Operation</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment.</u> 	Refer to sub level manuals FM 100-5 HDV 100/100 ATP 35(A) Staff College Preci(s) ACN 70633 FM 90-5
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	FM 100-5 HDV 100/100 ATP 35(A) Staff College Precis(s) ACN 70633 FM 90-5
		4	<u>Retrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART C</u>	<u>Arctic/Cold Weather Operations</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Characteristics.</u>	Refer to sub level manuals
		2	<u>Offensive Operations</u>	a. <u>General</u> b. <u>The Threat</u> c. <u>Planning/Conduct of Operations</u>	ATP 35(A) FM 100-5 Staff College Precis FM 90-11

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART E</u>	<u>Limited Visibility/ Night Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment.</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633 </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	<div> ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633 </div>
		4	<u>Regrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART F</u>	<u>Operations in Built Up Areas</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Characteristics of the Environment</u>	Refer to sub level manuals
		2	<u>Offensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u>	<div> ATP 35(A) CFP 301(1) FM 100-5 Staff College Precis ACN 70633 </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> ATP 35(A) CFP 301(1) FM 100-5 Staff College Precis ACN 70633 </div>
		4	<u>Retrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART G</u>	<u>Defence of Coastal Areas</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Scope.</u>	This part will focus on meeting the amphibious threat; related to Part B of Chap 13 (Amphibious Operations)
		2	<u>Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
					<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> ATP 35(A) FM 100-5 CFP 301(1) Staff College Precis </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Influence of NBCW</u>		<div> <div>ATP 35(A)</div> <div>FM 100-5</div> <div>CFP 301(1)</div> <div>Staff College Precis</div> </div>
		4	<u>Combat Service Support Considerations</u>		
13	<u>SPECIALIZED OPERATIONS</u>				
<u>PART A</u>	<u>Crossing and Breaching Operations</u>	1	<u>Introduction</u>	a. <u>Aim.</u> b. <u>Scope.</u>	Refer to sub level manuals
		2	<u>Common Features</u>	a. <u>Tactical Functions of Obstacles.</u> b. <u>Categories of Obstacles.</u> c. <u>Types of Operations.</u> d. <u>Prerequisites for Success.</u> e. <u>Phasing.</u> f. <u>Planning Sequence.</u> g. <u>Influence of NBCW</u>	<div> <div>ATP 35(A)</div> <div>CFP 301(1)</div> <div>CFP 319</div> <div>HDV 100/100</div> <div>Staff College</div> <div>Precis</div> <div>ACN 70633</div> </div> <div>Essentially as per CFP 301(1) but with less detail</div>
		3	<u>Water Crossing Operations</u>	a. <u>General/Threat.</u> b. <u>Basic Features.</u> c. <u>Planning</u>	
					include figure on traffic control system div level crossing

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Minefield Breaching Operations</u>	<ul style="list-style-type: none"> d. <u>Conduct.</u> e. <u>Command and Control.</u> a. <u>General/Threat.</u> b. <u>Types of Breaching.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Command and Control.</u> 	<p>include figure on move forward of assault elements bridging and rafting</p> <p>ATP 35(A) CFP 301(1) CFP 319 HDV 100/100 Staff College Precis ACN 70633</p> <p>Essentially as per CFP 301(1) but with less detail</p>
<u>PART B</u>	<u>Amphibious Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Principles.</u> d. <u>Characteristics.</u> e. <u>Types.</u> f. <u>The Threat.</u> 	<p>ATP 35(A) ATP 8 JSP 4</p>
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Planning Sequence.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Fire Support/Coordination.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> ATP 35(A) ATP 8 JSP 4 diagram to be used </div>
		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Task Force Organization(s).</u> c. <u>Joint Force Commander.</u> d. <u>Component Commanders.</u> e. <u>Relationships/Cooperation.</u> f. <u>Communications.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Sequence Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART C</u>	<u>Airborne Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Purpose.</u> c. <u>Characteristics.</u> d. <u>Types of Operations.</u> e. <u>The Threat.</u> 	<ul style="list-style-type: none"> refer to sub level manuals
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Ground Tactical Plan.</u> c. <u>Landing Plan.</u> d. <u>Air Movement Plan.</u> e. <u>Assault.</u> f. <u>Subsequent Operations.</u> 	<ul style="list-style-type: none"> as likely to be encountered by AB forces ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis
		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Seize and Hold Operations.</u> c. <u>Air Interdiction Operations.</u> d. <u>Airborne Raid.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Command and Control</u>		<div> </div> ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Consideration</u>		
		7	<u>Interoperability</u>		
		ANX A	<u>Organization of the Canadian Airborne Regiment</u>		
<u>PART D</u>	<u>Airmobile Operations</u>	1	<u>Introduction</u>	a. <u>Purpose.</u> b. <u>Capabilities.</u> c. <u>Limitations.</u> d. <u>Tasks.</u> e. <u>Basic Considerations.</u> f. <u>Operations Forward of the FEBA.</u> g. <u>The Threat.</u>	<div> </div> CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis as likely to be encountered by airmobile forces

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Requirements.</u> c. <u>Ground Tactical Plan.</u> d. <u>Landing Plan.</u> e. <u>Air Movement Plan.</u> f. <u>Loading Plan.</u> g. <u>Staging Plan.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis </div>
		3	<u>Extrication/Link Up</u>		
		4	<u>Command and Control</u>		
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART E</u>	<u>Operations in Enemy Controlled Territory</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Fundamentals.</u> d. <u>Tasks.</u> e. <u>Types of Operations.</u> f. <u>The Threat.</u> 	
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Organization.</u> c. <u>Planning Factors.</u> d. <u>Conduct.</u> 	ATP 35(A)
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Command Arrangements.</u> c. <u>Communications.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART F</u>	<u>Operations Involving Encircled Forces</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u>	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft) diagram to be included <u>NOTE:</u> Link Up Operations covered in Part G </div>
		2	<u>Defense by an Encircled Forces</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	
		3	<u>Breakout by an Encircled Force</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	
		4	<u>Influence of NBCW</u>		
		5	<u>Combat Service Support Considerations</u>		
		6	<u>Interoperability</u>	a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART G</u>	<u>Link-Up Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft) diagram </div>
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>Command and Control.</u> d. <u>Coordination of Plans.</u> e. <u>Conduct.</u> f. <u>Action after Link Up.</u> 	
		3	<u>Influence of NBCW</u>		
		4	<u>Combat Service Support Considerations</u>		
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART H</u>	<u>Relief Operations</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Types of Relief Operations.</u> (1) <u>Relief in Place.</u> (2) <u>Passage of Lines.</u> (3) <u>Withdrawal through a Rearward Position.</u> c. <u>Common Considerations.</u> d. <u>Threat.</u>	CFP 301(1) FM 100-5 (final draft) ACN 70633 HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082 diagram
		2	<u>Relief in Place</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	
		3	<u>Passage in Lines</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Withdrawal Through a Rearward Position</u>	a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u>	diagram
		5	<u>Influence of NBCW</u>		CFP 301(1) FM 100-5 (final draft) ACN 70633
		6	<u>Combat Service Support Considerations</u>		HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082
		7	<u>Interoperability</u>	a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u>	
<u>PART J</u>	<u>Peacekeeping Operations (UN)</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Scope.</u> c. <u>Concept of Operations.</u> d. <u>Types of Operations.</u> e. <u>Basic Considerations.</u> f. <u>The Threat.</u>	Cross refer to CFP 300 CFP 165 CFP 303(5)

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Mandate.</u> c. <u>Planning Sequence.</u> d. <u>Planning Factors.</u> 	related operational plans Land Force Combat Development Guide
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Relationships.</u> c. <u>Organization.</u> 	CFP 165 CFP 302(5)
		4	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Handling of Incidents.</u> c. <u>Use of Force.</u> 	
		5	<u>Combat Service Support Considerations</u>		
<u>PART K</u>	<u>Internal Security Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>The Threat.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Concept of Operations</u>		
		3	<u>Tasks</u>	<u>General</u> <u>Maintenance of Law and Order</u> <u>Offensive Operations</u>	CFP 165 CFP 300 (Interim) Related operational plans CFP 302(8) FM 90-8 Land Force Combat Development Guide
		4	<u>Command and Control</u>	<u>General</u> <u>Organization</u> <u>Intelligence and Security</u> <u>Cooperation</u>	
		5	<u>Combat Service Support Consideration</u>		

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Canadian Armed Forces
Mobile Command

Forces armées canadiennes
Force mobile



✓ FMC 2910-CFP 300 (CD)
2910-CFP 301

Mobile Command Headquarters
Ottawa, Ontario
K1A 0K2

13 November 1981
NDRMS/SGDDN 3-3-2
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WRITING PLANS

CFP 300 - THE ARMY

CFP 301 - LAND FORMATIONS IN BATTLE

File No
Dossier No **2922-B-06-301-001/FP-001**
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- References:
- A. Army Doctrine and Tactics Board SOPs issued under cover of NDHQ 2910-2 (CLDO) 30 May 80
 - B. Army Doctrine and Tactics Board Working Group Meeting, Lahr Germany 20-21 Oct 81

1. Enclosed please find a copy(s) of the writing plan for CFP 300-The Army and CFP 301-Land Formations in Battle. These writing plans have been forwarded for staffing in accordance with Reference A and the direction provided by Reference B.

2. CFP 300 and 301 are the "keystone manuals" of Army doctrine. All other Army manuals will subsequently be based on these two manuals. Primary inputs for the keystone manuals will be:

- a. ATP 35(A) (2nd Preliminary Draft) - NATO Land Force Doctrine;
- b. CFP 300 (Interim) - Conduct of Land Operations;
- c. CFP 301(1) (2nd Draft) - Formations in Battle;
- d. The Land Force Combat System Study distributed under cover of Secret FMC 3189-3-11 (CD) 5 Oct 81 and the operational concepts being developed from this study by NDHQ (DLCD 3); and the
- e. Army Combat Development Guide (Secret).

3. Reference will also be made to the ABCA Combat Development Guide (2000) (Secret), various related ATPs, STANAGs and staff colleges precis. Doctrinal references of major allies (UK, FRG, USA) will also be consulted

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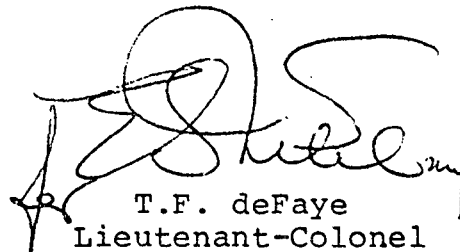
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- 2 -

4. Comments/recommendations are requested no later than 15 Dec 81. The keystone manuals author, LCol R.E. Acreman (Roger) can be reached at local 404. Comments should be directed to this Headquarters for the attention of SSO CD Coord.


T.F. deFaye
Lieutenant-Colonel

A/Deputy Chief of Staff Combat Development
for Commander Mobile Command

 Enclosure

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CFP 301 - LAND FORMATIONS IN BATTLE

Preface - Aim, Scope, Context, Terminology, Forces, Definitions

Chapter 1 - Introduction

Chapter 2 - Organizations

Chapter 3 - Command and Control

Chapter 4 - Fire Support Planning and Coordination

Chapter 5 - Nuclear and Chemical Operations

Chapter 6 - Intelligence Operations

Chapter 7 - Electronic Warfare Operations

Chapter 8 - Combat Service Support

Chapter 9 - Offensive Operations

Chapter 10 - Defensive Operations

Chapter 11 - Retrograde Operations

Chapter 12 - Operations in Unique Environments

Part A - Forest Operations

Part B - Mountain Operations

Part C - Arctic Operations

Part D - Desert Operations

Part E - Limited Visibility/Night Operations

Part F - Operations in Build Up Areas

Part G - Defence of Coastal Areas

Chapter 13 - Specialized Operations

Part A - Crossing and Breaching Operations

Part B - Amphibious Operations

Part C - Airborne Operations

Part D - Airmobile Operations

Part E - Operations in Enemy Controlled Territory

Part F - Operations Involving Encircled Forces

Part G - Link Up Operations

Part H - Relief Operations

Part J - Peacekeeping Operations (UN)

Part K - Internal Security Operations

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CFP 301 - LAND FORMATIONS IN BATTLE (WRITING PLAN)

PAGE: 1

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
<u>Preface</u>				<ul style="list-style-type: none"> a. <u>Aim.</u> b. <u>Context.</u> c. <u>Caveat on Doctrine.</u> 	Relationship to other manuals/CD process; basically that doctrine must be applied in consonance with military judgement
1	<u>INTRODUCTION</u>	1	<u>General</u>	<ul style="list-style-type: none"> a. <u>Aim:</u> "to present the tactical doctrine for the conduct of land operations at the formation level". b. <u>Scope:</u> <ul style="list-style-type: none"> (1) outline organization of formations; (2) roles and capabilities; (3) command and control; (4) the tactical handling of formations in all phases of war. c. <u>Forces.</u> 	Focus to be on armoured/mechanized formations within NATO in Central Europe
		2	<u>An Outline History of Canadian Formations</u>	<ul style="list-style-type: none"> a. <u>The First World War.</u> b. <u>The Second World War.</u> c. <u>Recent Evolution.</u> 	<p>Intent of this section is to provide a very brief historical perspective of Canadian Army formations</p> <p>Korea Infantry Brigade Groups Mechanized Brigades Combat Groups Standard Brigade Groups CD process to Canadian Corps</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
1 Cont'd		3	<u>Types of Formations</u>	a. <u>The Hierarchy of Formations.</u> b. <u>Types of Formations.</u>	Army Group, Army, Corps, Division, Brigade Group, Brigade Armoured, Mechanized, Airborne, Infantry
		4	<u>Roles, Tasks, Limitation</u>	a. <u>Roles.</u> b. <u>Tasks/Capabilities.</u> c. <u>Limitations.</u>	By type formation Refs: CFP 300 (Interim) CFP 301(1) (2nd Draft) CSC 203/204 System/Branch Studies
2	<u>ORGANIZATIONS</u>				
<u>PART A</u>	<u>The Corps</u>	1	<u>Introduction</u>		To include a typical corps organizational diagram (System Study)
		2	<u>HQ Org</u>	a. <u>General.</u> b. <u>Outline Organization.</u>	To be developed more fully in Chap 3 Cmd and Con
		3	<u>Major Components of the Corps</u>	a. <u>Armour.</u> b. <u>Artillery.</u> c. <u>Infantry.</u> d. <u>Engineers.</u>	<div style="border-left: 1px solid black; padding-left: 10px; margin-left: 20px;"> as per CSC 203 - paragraphs discuss one level down, eg., Armour would discuss the Armoured Recce Brigade </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> e. <u>Signals.</u> f. <u>Aviation.</u> g. <u>Intelligence.</u> h. <u>Combat Service Support.</u> 	<ul style="list-style-type: none"> as per CSC 203 - paragraphs discuss one level down, eg., Armour would discuss the Armoured Recce Brigade
<u>PART B</u>	<u>The Division (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of divisions
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	To be developed more fully in Chap 3 Comd and Con
		3	<u>Major Components of the Division</u>	<ul style="list-style-type: none"> a. <u>Brigades.</u> b. <u>The Recce Regiment.</u> c. <u>Divisional Artillery.</u> d. <u>Divisional Engineers.</u> e. <u>HQ and Signals Regiment.</u> f. <u>The Anti-Tank Battalion.</u> g. <u>The Aviation Wing.</u> h. <u>The Intelligence Company.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
2 Cont'd				<ul style="list-style-type: none"> j. <u>The EW Squadron.</u> k. <u>The MP Company.</u> m. <u>The DISGP.</u> n. <u>The Med Gp.</u> 	<ul style="list-style-type: none"> System/Branch Studies CFP 301(1) (2nd Draft) CSC 204
<u>PART C</u>	<u>The Brigade (Mechanized)</u>	1	<u>Introduction</u>		To include brief discussion of other types of brigade/brigade groups
		2	<u>HQ Org</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Outline Organization.</u> 	<ul style="list-style-type: none"> System Study CFP 301(1) (2nd Draft)
		3	<u>Major Units of the Brigade</u>	<ul style="list-style-type: none"> a. <u>The Armoured Regiment.</u> b. <u>Infantry Battalions.</u> c. <u>The Recce Squadron.</u> d. <u>HQ and Signal Squadron.</u> 	
3	<u>COMMAND AND CONTROL</u>	1	<u>Introduction</u>		
		2.	<u>Command</u>	<ul style="list-style-type: none"> a. <u>The Commander.</u> b. <u>Command.</u> c. <u>Commander's Concept of Operations.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd				<ul style="list-style-type: none"> d. <u>Delegation and Teamwork.</u> e. <u>Chain of Command.</u> f. <u>Continuity of Command.</u> g. <u>Operational Relationships.</u> h. <u>Administrative Relationships.</u> j. <u>Establishing Communications and Liaison.</u> 	<ul style="list-style-type: none"> CSC 203/System Study
		3	<u>Corps HQ</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Functions.</u> c. <u>Staff Organization.</u> d. <u>Operations Branch.</u> e. <u>Intelligence Branch.</u> f. <u>Personnel Branch.</u> g. <u>Logistics Branch.</u> h. <u>CIMIC Branch.</u> j. <u>Advisers.</u> 	<ul style="list-style-type: none"> CSC 203/System Study

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		4	<u>Div HQ</u>	a. <u>General.</u>	CSC 204/System Study and CFP 301(2) (2nd Draft)
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
				f. <u>Advisers.</u>	
		5	<u>Bde HQ</u>	a. <u>General.</u>	as above
				b. <u>Functions.</u>	
				c. <u>Staff Organization.</u>	
				d. <u>Operations Staff.</u>	
				e. <u>Administrative Staff.</u>	
		6	<u>HQ Operations</u>	a. <u>General.</u>	Layouts to be included as annexes CFP 301(1) (2nd Draft)
				b. <u>Standard Operating Procedures.</u>	
				c. <u>Siting and Layout.</u>	
				d. <u>Deployment.</u>	
				e. <u>Functioning of a HQ.</u>	
				f. <u>Training.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
3 Cont'd		7	<u>Communications</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibilities.</u> c. <u>Security.</u> 	CSC 203, 204 and CFP 301(1) (2nd Draft)
		8	<u>Battle Procedure</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> 	
4	<u>FIRE SUPPORT PLANNING AND COORDINATION</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Responsibility for Fire Support Planning and Coordination.</u> 	Cross index to relevant sub level manuals
		2	<u>Allotment of Field Artillery</u>	<ul style="list-style-type: none"> a. <u>Command and Control.</u> b. <u>At Priority Call.</u> c. <u>In Direct Support.</u> d. <u>In Support.</u> 	explain diagrammatically
		3	<u>Coordinating and Limiting Measures</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fire Support Coordination Line.</u> c. <u>No Fire Line.</u> d. <u>Fire Coordination Line.</u> e. <u>Boundary.</u> 	explain diagrammatically

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
4 Cont'd		4	<u>Detailed Fire Planning</u>	a. <u>General.</u> b. <u>The Fire Planning Process.</u>	Chart to be used to graphically describe procedures; a typical fire support annex to an OpO to be included
		5	<u>Allocation of Ammo</u>	a. <u>General.</u> b. <u>Assessment of Requirement and Supply.</u> c. <u>Planning and Control.</u>	Refs: CSC 203 System/Branch Study CFP 301(1) (2nd Draft) CFP 300 (Interim) STANAG 2099
		6	<u>Offensive Air Support</u>	<u>To be developed.</u>	<u>NOTE:</u> Chap will include all forms of fire support
5	<u>NUCLEAR AND CHEMICAL OPERATIONS</u>				
<u>PART A</u>	<u>Nuclear</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>The Nuclear Threat.</u> c. <u>CF Policy.</u> d. <u>NATO Concept.</u> e. <u>The Conventional - Nuclear Concept.</u>	To include a brief footnote on exclusion of biological warfare Cross index to relevant sub level manuals
		2	<u>A Nuclear Weapons Package</u>	a. <u>General.</u> b. <u>Number of Weapons.</u> c. <u>Time.</u>	To include target analysis

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd				<ul style="list-style-type: none"> d. <u>Area.</u> e. <u>Constraints.</u> f. <u>Sub package.</u> 	As per CSC 203/CFP 301(1) (2nd Draft) include ADMs
		3	<u>Employing a Package</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Nuclear Release and Employment.</u> c. <u>Corps Control.</u> d. <u>Troop Warning.</u> e. <u>Nuclear Fire Planning.</u> 	
		4	<u>Effects on Tactics</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Effect at Corps/Division.</u> c. <u>Effect at Brigade/Unit.</u> d. <u>Effect at Combat Team.</u> 	
<u>PART B</u>	<u>Chemical</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>History.</u> c. <u>The Threat.</u> d. <u>Canadian Policy.</u> 	Cross index to relevant sub level manuals

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
5 Cont'd		2	<u>The Nature of Chemical Agents</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Types.</u> c. <u>Effects.</u> 	<p>Use in phases of war discussed in appropriate chapters on phases of war</p> <p>CSC 203/CFP 301(1) (2nd Draft)</p>
		3	<u>The Employment of Chemical Weapons</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Concept of Employment.</u> c. <u>Chemical Target Analysis.</u> 	
		4	<u>Chemical Defence</u>	<ul style="list-style-type: none"> a. <u>Warning.</u> b. <u>Protection.</u> c. <u>Decontamination.</u> 	
		<u>ANX A</u>	<u>Nuclear Weapon Effects</u>		
		<u>ANX B</u>	<u>Tactical Nuclear Delivery Systems</u>		
		<u>ANX C</u>	<u>Nuclear Strike Warning</u>		
		<u>ANX D</u>	<u>Types of Chemical Agents</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6	<u>INTELLIGENCE OPERATIONS</u>	1	<u>Introduction</u>	a. <u>General.</u>	Cross index to relevant sub level manuals
				b. <u>The Battlefield (Intelligence View Point).</u>	
		2	<u>Intelligence</u>	a. <u>The Requirement.</u>	CSC 203/Branch/System Studies
				b. <u>Intelligence Services.</u>	
				c. <u>The Intelligence Cycle.</u>	
				d. <u>Direction.</u>	
				e. <u>Intelligence Estimate.</u>	
				f. <u>Processing.</u>	
				g. <u>Dissemination.</u>	
				h. <u>The Appreciation.</u>	
		3	<u>Counter Intelligence</u>	a. <u>General.</u>	
				b. <u>Planning.</u>	
				c. <u>Measures.</u>	
		4	<u>Deception Operations</u>	a. <u>General.</u>	
				b. <u>The Concept.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
6 Cont'd		5	<u>PSY OPS</u>	<ul style="list-style-type: none"> c. <u>Types of Deception.</u> d. <u>Deception Planning/Conduct.</u> a. <u>General.</u> b. <u>The Concept.</u> c. <u>Organization.</u> d. <u>Planning/Conduct.</u> 	Along the lines of CSC 202
		<u>ANX A</u>	<u>The Intelligence Cycle</u>		
		<u>ANX B</u>	<u>The Intelligence Estimate</u>		
7	<u>ELECTRONIC WARFARE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Definitions.</u> c. <u>The Threat.</u> 	<p>Cross index to relevant sub level manuals</p> <p>Refer to CSC 203, CFP 301(1) (2nd Draft)</p>
		2	<u>Operations</u>	<ul style="list-style-type: none"> a. <u>Organization(s)</u> b. <u>Functions and Techniques.</u> c. <u>Operations and Tactics.</u> 	<p>Staff College Precis</p> <p>Include figure on EW sequence</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
7 Cont'd				<ul style="list-style-type: none"> d. <u>Command and Control.</u> e. <u>References.</u> 	
8	<u>COMBAT SERVICE SUPPORT</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Concept of Operations.</u> 	<ul style="list-style-type: none"> cross index to relevant sub level manuals diagram
		2	<u>Functions</u>	<ul style="list-style-type: none"> a. <u>Administration.</u> b. <u>CIMIC.</u> c. <u>Legal Services.</u> d. <u>Maintenance Services.</u> e. <u>Supply Services.</u> f. <u>Medical Services.</u> g. <u>Transportation Services.</u> h. <u>Personnel Services.</u> j. <u>Financial Services.</u> 	<ul style="list-style-type: none"> CSC 203, 205, CFP 305(1), Adm Study/System Study diagrams to be included when appropriate, eg, casevac system
		3	<u>Organizations</u>	<ul style="list-style-type: none"> a. <u>Corps-wide Service Groups.</u> b. <u>Support Groups.</u> c. <u>Divisional Units.</u> 	<ul style="list-style-type: none"> organizational diagrams to be included

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
8 Cont'd		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Roles/Responsibilities of Commanders.</u> c. <u>COSCOM/DISGP HQ Organization.</u> d. <u>Relationship of HQs.</u> e. <u>Administrative Areas.</u> f. <u>Communications.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CSC 203, 205, CFP 305(1), Adm Study/System Study </div>
9	<u>OFFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Offensive Battle (Concept).</u> 	ACN 71031/System/Branch Studies Land Force Combat Development Guide
		2	<u>The Advance</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Principles.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Influence of Nuclear/Chemical.</u> f. <u>Combat Service Support Considerations.</u> 	Include discussion of the meeting engagement

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10	<u>DEFENSIVE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Outline of the Defensive Battle.</u> 	<p>Include purpose</p> <p>To include notion of "the extended battlefield"</p> <p>Three stages</p>
		2	<u>Concept of Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>A Single Concept - Defence.</u> c. <u>Factors.</u> d. <u>Forms of Defence.</u> <ul style="list-style-type: none"> (1) Attack the enemy as he approaches; (2) Fight the enemy on a major obstacle; (3) Accept penetration and attack enemy flanks and rear. 	<p>With two major complementary elements (static and dynamic)</p> <p>diagrams to be used</p>
		3	<u>Planning the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Estimate/Plan.</u> c. <u>Frontages.</u> d. <u>Deployment.</u> 	<p>Layout of a Corps (diagram) to be included</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd				<ul style="list-style-type: none"> e. <u>The Obstacle Plan.</u> f. <u>The Fire Plan.</u> g. <u>The Surveillance Plan.</u> h. <u>The Air Defence Plan.</u> j. <u>Tactical Air/Aviation.</u> k. <u>The EW Plan.</u> m. <u>The Intelligence Plan.</u> n. <u>Blocking and C Attacking.</u> p. <u>RAS.</u> q. <u>Rear Area Damage Control.</u> 	<p>Reference for this Chap include: CFP 301(1) (2nd Draft) System Study and CFP 300 (Interim) Land Force Conduct Development Guide</p>
		4	<u>Conduct of the Defence</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Covering Force Stage.</u> c. <u>The Main Defence Stage.</u> <ul style="list-style-type: none"> (1) battle on the obstacle; (2) the containment battle. d. <u>The Counter Attack Stage.</u> 	<p>diagram</p>
		5	<u>Influence of NBCW</u>		

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
10 Cont'd		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u> 	
		ANX A	<u>Ground Analysis</u>		
11	<u>RETROGRADE OPERATIONS</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>The Threat.</u> d. <u>Types of Retrograde Operations.</u> <ul style="list-style-type: none"> (1) Delay; (2) Withdrawal; (3) Retirement. 	<p>ACN 71031/System Study</p> <p>CFP 301(1) (2nd Draft) CFP 300 (Interim)</p>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd		2	<u>Delaying Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>Types.</u> d. <u>Composition of a Delaying Force.</u> e. <u>Planning of Delaying Operations.</u> f. <u>Conduct of Delaying Operations.</u> g. <u>Command and Control.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) (2nd Draft) CFP 300 (Interim) </div>
		3	<u>Withdrawal Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Fundamentals.</u> c. <u>Grouping.</u> d. <u>Planning of the Withdrawal.</u> 	
		4	<u>Common Aspect of Delaying and Withdrawal Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Obstacles.</u> c. <u>Control of Demolitions.</u> d. <u>Tactical Air and Aviation.</u> e. <u>Air Defence.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
11 Cont'd				f. <u>Liaison.</u> g. <u>The Civil Population.</u> h. <u>Influence of NBCW.</u> j. <u>Combat Service Support Considerations.</u>	
		5	<u>Interoperability</u>	a. <u>General.</u> b. <u>UK.</u> c. <u>FRG.</u> d. <u>US.</u>	
12	<u>OPERATIONS IN UNIQUE ENVIRONMENT</u>				
<u>PART A</u>	<u>Forest Operation</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Characteristics of the Environment.</u>	Refer to sub level manuals FM 100-5 HDV 100/100 ATP 35(A) Staff College Precis(s) ACN 70633 FM 90-5
		2	<u>Offensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	<div> <div></div> <div> FM 100-5 HDV 100/100 ATP 35(A) Staff College Precis(s) ACN 70633 FM 90-5 </div> </div>
		4	<u>Retrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART C</u>	<u>Arctic/Cold Weather Operations</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Characteristics.</u>	Refer to sub level manuals
		2	<u>Offensive Operations</u>	a. <u>General</u> b. <u>The Threat</u> c. <u>Planning/Conduct of Operations</u>	<div> <div></div> <div> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div> </div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct Operations.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART D</u>	<u>Desert Operation</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics.</u> 	Refer to sub level manuals
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> APT 35(A) FM 100-5 Staff College Precis FM 90-11 </div>
		4	<u>Retrograde Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART E</u>	<u>Limited Visibility/ Night Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Characteristics of the Environment.</u> 	Refer to sub level manuals <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633 </div>
		2	<u>Offensive Operations</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	ATP 35(A) FMC 100-5 CFP 301(1) Staff College Precis ACN 70633
		4	<u>Regrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART F</u>	<u>Operations in Built Up Areas</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Characteristics of the Environment</u>	Refer to sub level manuals
		2	<u>Offensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations</u>	ATP 35(A) CFP 301(1) FM 100-5 Staff College Precis ACN 70633

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Defensive Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	<div> <div>ATP 35(A)</div> <div>CFP 301(1)</div> <div>FM 100-5</div> <div>Staff College Precis</div> <div>ACN 70633</div> </div>
		4	<u>Retrograde Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
<u>PART G</u>	<u>Defence of Coastal Areas</u>	1	<u>Introduction</u>	a. <u>General.</u> b. <u>Scope.</u>	<div> This part will focus on meeting the amphibious threat; related to Part B of Chap 13 (Amphibious Operations) </div>
		2	<u>Operations</u>	a. <u>General.</u> b. <u>The Threat.</u> c. <u>Planning/Conduct of Operations.</u>	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
12 Cont'd		3	<u>Influence of NBCW</u>		<div> <div>ATP 35(A)</div> <div>FM 100-5</div> <div>CFP 301(1)</div> <div>Staff College Precis</div> </div>
		4	<u>Combat Service Support Considerations</u>		
13	<u>SPECIALIZED OPERATIONS</u>				
<u>PART A</u>	<u>Crossing and Breaching Operations</u>	1	<u>Introduction</u>	a. <u>Aim.</u> b. <u>Scope.</u>	Refer to sub level manuals
		2	<u>Common Features</u>	a. <u>Tactical Functions of Obstacles.</u> b. <u>Categories of Obstacles.</u> c. <u>Types of Operations.</u> d. <u>Prerequisites for Success.</u> e. <u>Phasing.</u> f. <u>Planning Sequence.</u> g. <u>Influence of NBCW</u>	<div> <div>ATP 35(A)</div> <div>CFP 301(1)</div> <div>CFP 319</div> <div>HDV 100/100</div> <div>Staff College</div> <div>Precis</div> <div>ACN 70633</div> </div> <div>Essentially as per CFP 301(1) but with less detail</div>
		3	<u>Water Crossing Operations</u>	a. <u>General/Threat.</u> b. <u>Basic Features.</u> c. <u>Planning</u>	
					include figure on traffic control system div level crossing

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Minefield Breaching Operations</u>	<ul style="list-style-type: none"> d. <u>Conduct.</u> e. <u>Command and Control.</u> a. <u>General/Threat.</u> b. <u>Types of Breaching.</u> c. <u>Planning.</u> d. <u>Conduct.</u> e. <u>Command and Control.</u> 	<p>include figure on move forward of assault elements bridging and rafting</p> <p>ATP 35(A) CFP 301(1) CFP 319 HDV 100/100 Staff College Precis ACN 70633</p> <p>Essentially as per CFP 301(1) but with less detail</p>
<u>PART B</u>	<u>Amphibious Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Principles.</u> d. <u>Characteristics.</u> e. <u>Types.</u> f. <u>The Threat.</u> 	<p>ATP 35(A) ATP 8 JSP 4</p>
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Planning Sequence.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Sequence.</u> c. <u>Fire Support/Coordination.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> ATP 35(A) ATP 8 JSP 4 diagram to be used </div>
		4	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Task Force Organization(s).</u> c. <u>Joint Force Commander.</u> d. <u>Component Commanders.</u> e. <u>Relationships/Cooperation.</u> f. <u>Communications.</u> 	
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Sequence Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART C</u>	<u>Airborne Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Purpose.</u> c. <u>Characteristics.</u> d. <u>Types of Operations.</u> e. <u>The Threat.</u> 	refer to sub level manuals
		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Ground Tactical Plan.</u> c. <u>Landing Plan.</u> d. <u>Air Movement Plan.</u> e. <u>Assault.</u> f. <u>Subsequent Operations.</u> 	as likely to be encountered by AB forces
		3	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Seize and Hold Operations.</u> c. <u>Air Interdiction Operations.</u> d. <u>Airborne Raid.</u> 	ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Command and Control</u>		<div> </div> ATP 35(A) CFP 310(1) FM 101-10-1 Staff College Precis
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Consideration</u>		
		7	<u>Interoperability</u>		
		ANX A	<u>Organization of the Canadian Airborne Regiment</u>		
<u>PART D</u>	<u>Airmobile Operations</u>	1	<u>Introduction</u>	a. <u>Purpose.</u> b. <u>Capabilities.</u> c. <u>Limitations.</u> d. <u>Tasks.</u> e. <u>Basic Considerations.</u> f. <u>Operations Forward of the FEBA.</u> g. <u>The Threat.</u>	<div> </div> CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis as likely to be encountered by airmobile forces

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Requirements.</u> c. <u>Ground Tactical Plan.</u> d. <u>Landing Plan.</u> e. <u>Air Movement Plan.</u> f. <u>Loading Plan.</u> g. <u>Staging Plan.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> <p>CFP 301(1) ATP 41 ATP 35(A) FM 90-4 Staff College Precis</p> </div>
		3	<u>Extrication/Link Up</u>		
		4	<u>Command and Control</u>		
		5	<u>Influence of NBCW</u>		
		6	<u>Combat Service Support Considerations</u>		
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART E</u>	<u>Operations in Enemy Controlled Territory</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Fundamentals.</u> d. <u>Tasks.</u> e. <u>Types of Operations.</u> f. <u>The Threat.</u> 	
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Organization.</u> c. <u>Planning Factors.</u> d. <u>Conduct.</u> 	ATP 35(A)
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Command Arrangements.</u> c. <u>Communications.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART F</u>	<u>Operations Involving Encircled Forces</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 10px;"> <p>CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft)</p> <p>diagram to be included</p> <p><u>NOTE:</u> Link Up Operations covered in Part G</p> </div>
		2	<u>Defense by an Encircled Forces</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	
		3	<u>Breakout by an Encircled Force</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	
		4	<u>Influence of NBCW</u>		
		5	<u>Combat Service Support Considerations</u>		
		6	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART G</u>	<u>Link-Up Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Threat.</u> 	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> CFP 301(1) HDV 100/100 ATP 35(A) ACN 70633 FM 100-5 (final draft) diagram </div>
		2	<u>Planning/Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>Command and Control.</u> d. <u>Coordination of Plans.</u> e. <u>Conduct.</u> f. <u>Action after Link Up.</u> 	
		3	<u>Influence of NBCW</u>		
		4	<u>Combat Service Support Considerations</u>		
		5	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd					
<u>PART H</u>	<u>Relief Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Types of Relief Operations.</u> <ul style="list-style-type: none"> (1) <u>Relief in Place.</u> (2) <u>Passage of Lines.</u> (3) <u>Withdrawal through a Rearward Position.</u> c. <u>Common Considerations.</u> d. <u>Threat.</u> 	<p>CFP 301(1) FM 100-5 (final draft) ACN 70633 HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082</p> <p>diagram</p>
		2	<u>Relief in Place</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	
		3	<u>Passage in Lines</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		4	<u>Withdrawal Through a Rearward Position</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Planning.</u> c. <u>Conduct.</u> 	<div>diagram</div>
		5	<u>Influence of NBCW</u>		CFP 301(1)
		6	<u>Combat Service Support Considerations</u>		FM 100-5 (final draft)
		7	<u>Interoperability</u>	<ul style="list-style-type: none"> a. <u>UK.</u> b. <u>FRG.</u> c. <u>US.</u> 	<div> ACN 70633 HDV 100/100 Staff College Precis Canadian Army Doctrine Bulletin #1 STANAG 2082 </div>
<u>PART J</u>	<u>Peacekeeping Operations (UN)</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Scope.</u> c. <u>Concept of Operations.</u> d. <u>Types of Operations.</u> e. <u>Basic Considerations.</u> f. <u>The Threat.</u> 	<div>Cross refer to CFP 300</div> <div>CFP 165</div> <div>CFP 303(5)</div>

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Planning</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>The Mandate.</u> c. <u>Planning Sequence.</u> d. <u>Planning Factors.</u> 	<ul style="list-style-type: none"> related operational plans Land Force Combat Development Guide CFP 165 CFP 302(5)
		3	<u>Command and Control</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Relationships.</u> c. <u>Organization.</u> 	
		4	<u>Conduct</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Handling of Incidents.</u> c. <u>Use of Force.</u> 	
		5	<u>Combat Service Support Considerations</u>		
<u>PART K</u>	<u>Internal Security Operations</u>	1	<u>Introduction</u>	<ul style="list-style-type: none"> a. <u>General.</u> b. <u>Basic Considerations.</u> c. <u>The Threat.</u> 	

CHAPTER	TITLE	SECT	TITLE	OUTLINE CONTENT	REFERENCES AND REMARKS
13 Cont'd		2	<u>Concept of Operations</u>		
		3	<u>Tasks</u>	<u>General</u> <u>Maintenance of Law and Order</u> <u>Offensive Operations</u>	<div> <div></div> <div>CFP 165 CFP 300 (Interim) Related operational plans CFP 302(8) FM 90-8 Land Force Combat Development Guide</div> </div>
		4	<u>Command and Control</u>	<u>General</u> <u>Organization</u> <u>Intelligence and Security</u> <u>Cooperation</u>	
		5	<u>Combat Service Support Consideration</u>		

606 - NDRMS



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PA. 2922-B-06-301-001/FP04

04 August 1981

Distribution List

CFP 301(1) -
FORMATIONS IN BATTLE -
SECOND DRAFT

References: A. 2910-1 (D Log Ops 4-2) 22 January 1981
B. 2910-1 (D Log Ops 4-2) 15 June 1981

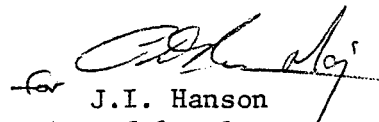
1. Reference B has been reviewed and the following comments on its Annex are offered for consideration:

- a. Para 218.2.b.(3) - This should read "to provide second line maintenance and recovery".
- b. Para 219.3.b.(1) - Insert the word "plans" vice the word "staff".
- c. Para 219.3.b.(3) - Insert the words "DISGP portion of the" prior to the word "division".
- d. Para 219.3.b.(4) - This should be reworded to clearly indicate that technical control is exercised as a staff function at Divisional DISGP and Brigade Headquarters.
- e. Para 219.3.b.(2) - This is part of sub-paragraphs (1) and (2).
- f. Para 219.4. (last sentence) - Insert "some of the non-medical" between the word "coordinate" and the word "activities".
- g. Para 219.5. (fifth sentence - line 11) - These elements should either be self-contained for first line resources or the service battalion must be capable of supporting them, either within existing resources or with appropriate augmentation. To suggest all augmentation will be self-contained in this regard is neither realistic nor desirable.

.../2

- 2 -

- h. Para 316.4.b.(8) - The Maint (L) Cell should, as a minimum, monitor this activity along with those of repair parts and sealing as it pertains to the land maintenance function. An insertion to this effect is warranted.
- j. Para 458.4. - This paragraph should make reference to:
- (1) the fact that the DP location(s) will sometimes be selected by the formation staff in accordance with tactical plans and that the location(s) and timings may be announced to both those designated to provide the DP and those it is intended to serve; and
 - (2) the special security arrangements and responsibilities for continuous or commodity DP which are not as described in this paragraph.
- k. Para 460.4. - It should be noted that the "in-situ" repair is generally restricted to combat vehicles (generally tracked) and selected other vehicles (generally wheeled) designated as key vehicles by the Commander.


for J.I. Hanson
Colonel

Director Land Engineering Support
for Chief of the Defence Staff

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MEMORANDUM

PAJ 2922-B-06-301-001/FL001
~~2910-CFP 301(1)~~ (DCEO)

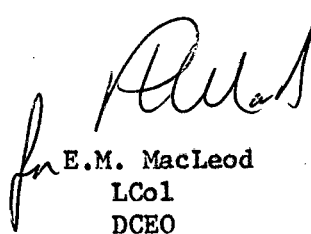
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DLCD

CFP 301(1) - FMN IN BATTLE - SECOND DRAFT

Ref: 2910-CFP 301(1) dated 22 Jan 81

Enclosed are the DCEO and D Comsec comments on the
Ref manual.

for 
E.M. MacLeod
LCol
DCEO
5-8538

Enclosure: 1

R.N.L. Drummond Maj/DCEO 2/5-1434/plo

COMMENTS ON CFP 301(1)

1. Page 2-22 para 23a
2-23 para 23e
3-35 para 327, 1.b.

The term "communication centre" should be "communication node".

2. Page 3-31 section 6 - In the CD process it was determined that a rear headquarters was not to be used and their function would be done at Main and/or Service Support Headquarters.
3. Page 3-37 para 330-3. The ability of each vehicle to communicate is a main factor in the layout of headquarters.
4. Page 3-40, para 331, 2.f. - "COMCENS" should read - "Trunk Nodes". The responsibility for local defence should lie with the CO of the Sig Regt/Sqn not the Col Ops/SSO Ops. The D&E coy/pl is an integral sub unit of the sig unit and as such reports to the CO. The D&E gp is only part of the def framework of the headquarters and to have a staff officer delving into a unit's internal tasking is inconsistent with normal policy. There can't be two COs in the formation headquarters. From time to time the Commander may pass observations on the running of the headquarters direct to the CO or via the senior ops officer.
5. Page 3-41 to 3-44 - The composition, employment and moves of step-up headquarters has changed as agreed by CDC and DLCD 3 should be consulted.
6. Page 4-36 Sec 4 - This section should include as an introduction, a statement of the threat followed by a statement or listing of the means to overcome the threat. The following is suggested:

Operational Security

The Threat. Hostile exploitation of friendly activities occurs chiefly through the analysis of operational routines, schedules and patterns which may yield advanced knowledge of our forces operations.

Purpose of Operational Security. The purpose of operational security is to deny the enemy access to those indicators which would permit him to predict the commander's capabilities and plans.

Attainment and retention of that degree of security which denies an adversary foreknowledge of friendly capabilities and intentions, and affords a commander the prerogative of achieving surprise during the execution of plans is essential to military effectiveness.

7. Item 416, para 2 - should include "Communications Security." Item 336 - Communications Security should be transferred to Chap 4, section 4 or referred to in Item 416 para 2.

MEMORANDUM

2922-B-06-301-001/FP-001
~~2910-CFP-301(1)~~ (DNBCC)

18 Jun 81

SECRETARY, ARMY DOCTRINE AND
TACTICS BOARD

Refs: A. 2910-CFP 301(1) dated 22 January 1981 *on 2922-B-06-301-001/FP-001*
B. Discussions Major Diebel/Major Gummeson
2 June 1981

The enclosed comments are submitted as requested
at Reference A and as discussed at Reference B.

E.D. Champagne
for E.D. Champagne
LCol
DNBCC
2-6160

Enclosure: 1

E.W. Gummeson Maj/SPO/6-5600/nm

Distr: DNBCC Orig Circ {File}

Enclosure to
2910-CFP 301(1) (DNBCC)
DATED /8 JUNE 1981

COMMENTS BY DNBCC ON

CFP 301(1) SECOND DRAFT

1. Page 1-4 para 5b line 4
After "dry". Delete last sentence replace with
"The blast effects of nuclear weapons are
increased in woods due to the "missile" effects
and barriers which are created. The persistence
of chemical warfare agents reaching the ground
in wooded areas is increased although there the
total quantity is reduced due to foliage.
2. Page 2-9 215 para 1a
Correct to include Chemical/Biological ie,
a. conduct sustained operations in conventional,
conventional/NBC or NBC conditions.
3. Page 2-11 para 2b (4)
Amend to read
(4) radiation monitoring or chemical recce, and
4. Page 3-14 para 2d
Amend to read
"a. collect NBC information and issue NBC warnings".
5. Page 3-28 para 2b
Observation - Target analysis is no longer taught
to CF personnel at CFNBCCS therefore we do not
possess this capability. Neither is there an
NBC cell established at 4CMBG nor within the CF
organization designated for reinforcement.
6. Page 4-96
Observation - "There are two sub para c's and
these are different."

Operations in a CW environment at night with the
requirement to wear the protective ensemble
including the mask could be considered a limitation
and should be added to one of the sub para c's.
Further, pilots affected by miosis produced by
sub-lethal exposures to nerve agents could not
operate at night.

Section 9. Nuclear and Chemical Defence.

7. Page 4-100 para 448. Nuclear Weapons Effects - amend as
follows:
 1. Blast
 - a. Damage. Blast is the most likely cause of
damage to military equipment and to structures.

The direct pressure of the blast wave can damage tanks and vehicles or crush buildings; secondary blast damage can be caused by flying objects, and equipment and containers may be dented or broken open as they are hurled about. Sand blasting may score surfaces of dial sights and optical instruments. Fires may also be caused indirectly by blast following the destruction of buildings or the rupture of utility lines.

- b. Casualties. Direct pressures from the blast wave can result in death or injury to personnel, but the main cause of casualties are the indirect blast effects produced by collapsing buildings, flying debris and translational movement of objects or individuals.
- c. Obstacles. Rubble within built-up areas and tree blow-down from nuclear blast often extends to a considerable distance and may block routes around the damaged area.
- d. Craters. Craters are formed by sub-surface and surface bursts. The destruction of deep underground targets, the blocking of defiles, and the creation of obstacles may best be accomplished by cratering and associated ground shock effects.
- e. Visibility. The blast wave can stir up sand and dust which may limit visibility and movement in a target area for several hours after a burst.

2. Thermal Radiation

- a. Casualties. Thermal radiation is emitted in two pulses. The first is a very brief flash of visible light, called the light-flash; the second pulse is much longer in duration and is called the heat-flash.
 - (1) Light-flash. This causes flash blindness, and retinal burns may occur if the burst is observed directly. By day, flash-blindness may persist for up to five minutes and therefore can be significant to personnel performing critical visual activities. At night, those facing away from the burst should recover night vision within five minutes and those facing the burst in twenty to thirty minutes. Sunglasses and tinted

glass give no protection against the light-flash. Retinal burns generally are not of military significance.

(2) Heat-flash. Under certain burst conditions, ie clear weather, airburst and, exposed personnel, heat-flash may be the main casualty producer. It can produce burns on bare skin and sometimes through thin clothing, can set clothing afire and cause flammable materials to burn.

b. Damage. Most military equipment is affected only slightly by the heat-flash and only at ranges where blast is the overriding cause of damage. Damage may occur indirectly from fires initiated by the heat-flash in forests and urban areas.

c. Shielding and Attenuation. Large hill masses, trees, or any opaque objects between the target and the burst may provide a shield against the thermal effects. Trucks, buildings and slit trenches provide some protection, but individuals screened from line-of-sight radiation may receive burns because of reflection from trench walls or other objects. Clouds, fog, rain and artificial smoke may attenuate the thermal radiation. An increase in thermal radiation at a given point may result from reflection off a nearby surface.

3. Initial Radiation

a. Hazard. Initial radiation is that nuclear radiation received in the first minute after the burst. The hazard consists chiefly of gamma rays and neutrons. These are invisible and can be detected only by dosimeters. They can penetrate materials and may cause damage to the human body, resulting in radiation sickness.

b. Casualties. Generally the blast and thermal pulse cause injuries at greater ranges than the initial nuclear radiation, and as the yield increases so the significance of initial nuclear radiation decreases. In very low yield bursts, however, the reverse may be true, and with sub-KT yields the initial nuclear radiation may be the primary casualty producer. Casualties are caused by large doses of radiation measured in rads, an abbreviation for "radiation absorbed dose".

The probable effects of an initial radiation dose are shown in Table 4-1.

c. Damage. While most material objects are undamaged by initial radiation, quite low doses may render photographic film useless, and very large doses may temporarily or permanently damage electronic or communications equipment.

d. Shielding

- (1) The initial radiation reaching a target can be reduced by the amount of shielding between the target and the burst. Since the radiation is scattered and reflected in its passage through air, for the most effective protection, the shielding should preferably be all-round.
- (2) The exposure received by an individual in a vehicle, building or slit trench is less than the exposure he would receive in the open at the same range from GZ. The ratio of dose rate outside to dose rate inside the shielding material is called the "shielding factor" (SF). The higher the SF, the more effective is the shield. Table 4-2 permits comparison of the protection afforded by a variety of situations in a mobile unit where initial radiation doses could be significant.

Note: Due to body shielding and body geometry at the time of exposure the whole body dose absorbed may be quite different from that recorded on personal or tactical dosimeters.

4. Residual Radiation. Residual radiation is the nuclear radiation that is received later than one minute after burst. It comes from fission products and bomb residues in the fallout and from Neutron Induced Activity (NIA):

- a. NIA. The intensity and extent of NIA depend primarily upon the nature of the soil at GZ, the height of burst, and the weapon type. The hazards from NIA consist of gamma rays and beta particles emitted by the radioactive soil. When fallout and NIA both occur they cannot be distinguished one from the other.

ESTIMATED DOSE RANGE (RAD)	INITIAL SYMPTOMS	ONSET OF SYMPTOMS	INCAPACITATION	HOSPITALIZATION	DURATION OF HOSPITALIZATION	FINAL DISPOSITION
0-70	None to slight incidence of transient headache and nausea. Vomiting in up to 5 per cent of exposed personnel in upper part of range.	Within 6 hours after exposure.	None.	None.	—	Duty.
70-150	Transient mild headache and nausea. Some vomiting in up to 25 per cent of group.	Approx 3-6 hrs after exposure.	None to slight decrease in ability to conduct normal duties in up to 25 per cent of group. Up to 5 per cent of group may become combat ineffective.	Eventual hospitalization required for less than 5 per cent in upper part of range.	20 to 30 days in upper part of range.	Duty. No deaths anticipated.
150-400	Headaches, nausea and vomiting. Slight incidence of diarrhea.	Within 3 hrs after exposure.	Can perform routine tasks; sustained combat or performance of complex task may be hampered. More than 5 per cent of group expected to become combat ineffective increasing with increasing dose.	Hospitalization indicated for those in the upper range following a latent period of 10 to 30 days.	30 to 90 days	Some deaths anticipated; probably less than 5 per cent at lower part of range, increasing to 50 per cent toward upper end; return to duty questionable in upper range.
400-800	Severe nausea and vomiting. Diarrhea and fever early in upper part of dose range.	Within 1 hr after exposure.	Can perform simple tasks. Significant reduction in combat effectiveness in upper part of exposure range. Lasts more than 24 hrs.	Hospitalization indicated for 100 per cent of exposed personnel. Latent period 7-20 days.	90 to 120 days for those surviving.	Approx 50 per cent deaths at lower part of range, increasing toward upper end; all deaths occurring within 45 days.
Greater than 800	Severe and prolonged vomiting, diarrhea, fever and prostration. Convulsions may occur at higher doses.	Within 1 hr after exposure.	Severe reduction in combat effectiveness. At higher doses, transient complete incapacitation with 1 hr, followed by capability for some response until end of latent period.	Hospitalization indicated for 100 per cent of exposed personnel. Latent period of less than 7 days.	Up to 20 days.	100 per cent deaths occurring within 20 days.

- Notes:
1. The data are for planning purposes only and cannot be used for the management of individual patients.
 2. Based on whole body acute exposure, ie within 1 day, to neutron and/or gamma radiation. Biological recovery, and the less incapacitating effects of radiation extending over a protracted period, have to be regarded as a bonus, the extent of which cannot be calculated for tactical purposes.
 3. For healthy, rested, well-fed adults with no previous exposure (ie, uninjured and fresh troops).
 4. All doses are expressed as midline doses (free-in-air) RAD (tissue).

Table 4-1 Expected Response to Acute Penetrating Radiation in Man

SHIELD/ÉCRAN		
	Neutron	Gamma
Slit Trench (3 ft earth cover)/Tranchée (recouverte de 3 pieds de terre)	20	50
Tank	3	10
Slit Trench (no earth cover)/Tranchée (non recouverte de terre)	3	5
M113 APC	1.5	1.5
Wheeled Vehicle/Véhicules divers	1	1

Table 4-2 Approximate Shielding Factors for Initial Radiation

b. Fallout. Fallout occurs when the fireball intersects the surface of the earth, drawing material into the air and creating a radioactive stem and cloud. The degree and extent of the fallout hazard depend mainly upon the yield and type of weapon, the height of burst and the weather. Local areas of fallout may also occur when low yield air-burst weapons, which normally produce no fallout, are detonated in heavy rain, or when nuclear clouds pass through precipitation in an area downwind of the burst. The rain may scavenge radioactive particles from the cloud and deposit them on the ground in a localized fallout pattern. This phenomenon is sometimes referred to as "washout". Gamma and beta radiation will be present.

8. Page 4-105 para 8. Psychological Effects.

Delete last sentence entirely.

Reason - it is pure speculation and probably inaccurate.

9. Page 4-105 para 449. Chemical Weapon Effects.- amend as follows:

1. Nuclear and Limited War

a. The effectiveness of chemical agents in producing casualties makes them suitable for use in almost any type of war. They increase the effectiveness of conventional weapons and offer the commander a highly effective means of conducting anti-personnel operations and influencing enemy tactics.

b. While any of the agents listed in Table 4-3 could be used, the nerve and blister agents are the most important because of their high lethality and

mode of action. Choking and vomiting agents can be countered successfully by well-trained troops, and the blood agents, although they are lethal in action, have limited tactical value because of the difficulty in attaining and maintaining an effective field concentration.

- c. Agent munitions may be mixed when fired so that a chemical attack could consist of two agents (or more) of different kinds. The intimate mixing of two agents within one munition in the manufacturing process is also feasible. In this way the characteristics and effectiveness of the agents may be improved.

2. Methods of Dissemination. Chemical agents may be delivered and disseminated by almost any means, but for the most effective use certain systems have been selected for each group of agents. Table 4-4 summarizes the dissemination systems that may be used by an enemy.

Tactical Use of Agents

1. Types of Attack. When including chemical weapons in the over-all fireplan of an attack, the enemy will consider the available delivery systems, the various methods of dissemination, the routes by which the agents can attack the body and the quantity of munitions available. The defensive condition, equipment and general preparedness of the troops he intends to attack will greatly influence the selection of the agent or agents to be used. Chemical weapons may be the main munition of the attack, but they are more likely to be used in conjunction with other munitions. Once chemical warfare has been initiated, it is to be expected that chemical munitions will be interspersed with conventional munitions, and the individual will therefore be constantly faced with the associated hazards. Units must be prepared for the following types of attack:

a. Non-persistent Attacks

- (1) Non-persistent attacks would have the aim of producing large numbers of casualties before the unit could mask. The element of surprise is important if the attack is to be successful, and the enemy would try to establish a high concentration of vapour in a short period of time. Bursting-type munitions such as shells and rockets are most suitable, and the calculated quantity would probably be delivered on the target area within 15 seconds.

TYPE OF AGENT	HOW NORMALLY DISSEMINATED	MEANS OF DETECTION	SYMPTOMS IN MAN	EFFECTS ON MAN	RATE OF ACTION	INDIVIDUAL		PROTECTION REQUIRED	EQUIVALENT US AGENT ¹	
						FIRST AID	DECONTAMINATION		SYMBOL/NAME	CHARACTERISTICS IN THE FIELD
A. TYPES OF ENEMY CHEMICAL AGENTS ²										
NERVE	Aerosol or vapour	Automatic chemical agent alarm and chemical agent detector kits to detect vapours and aerosols; chemical agent detector paper to detect liquids.	Difficult breathing, drooling, nausea, vomiting, convulsions, and sometimes dim vision.	Incapacitates; kills if high concentration is inhaled.	Very rapid by inhalation; slow through skin.	Give atropine injection. Artificial respiration or resuscitation may be necessary	None needed	Mask Cml-Bio and protective clothing. ³	GA — Tabun GB — Sarin GD — Soman	Colorless
	Incapacitates; kills if contaminated skin is not decontaminated in time.			Delayed through skin; more rapid through eyes.	VX Thickened G — agent					
BLISTER	Liquid droplet		Mustard; nitrogen mustard — no early symptoms. Lewisite; mustard-lewisite — searing of eyes and stinging of skin. Phosgene oxime — irritation of eyes and nose.	Blisters skin, is destructive to upper respiratory tract; can cause temporary blindness. Some agents sting and form welts on skin, and others sear eyes.	Blistering delayed hours to days; eye effects more rapid. Mustard-lewisite and phosgene oxime very rapid.	None	Flush eyes with water; use skin pad from Decon mitt or wash skin with soap and water.	Mask Cml-Bio and protective clothing	HD — Mustard HN — Nitrogen Mustard L — Lewisite HL — Mustard lewisite CX — Phosgene oxime	Pale yellow droplets Dark droplets Dark, oily droplets Dark, oily droplets Colorless droplets
BLOOD	Vapour (gas)		Convulsions and coma.	Incapacitates; kills if high concentration is inhaled.	Rapid	Artificial respiration may be necessary.	None needed	Mask Cml-Bio	AC — Hydrogen cyanide CK — Cyanogen chloride	Colorless
CHOKING	Vapour (gas)		Coughing, choking, and headache.	Damages and floods lungs.	Immediate to 3 hours	For severe symptoms, avoid movement and keep warm.	None needed	Mask Cml-Bio	CG — Phosgene	Colorless
INCAPACITATING	Aerosol	May look like smoke at point of release.	Unpredictable, irrational behavior.	Temporarily incapacitates, mentally and physically.	Delayed	Remove excessive clothing in temperatures above 78 degrees F.	Wash with soap and water.	Mask Cml-Bio	BZ	White to grayish smoke
B. TYPES OF ENEMY RIOT CONTROL AGENTS ⁴										
VOMITING	Aerosol	May look like smoke at point of release.	Coughing, nausea, vomiting, and headache.	Irritates and physically incapacitates.	Rapid	Move vigorously to lessen duration of effects.	Wash with soap and water.	Mask Cml-Bio	DM — Asamsite	White to grayish yellow smoke
TEAR	Aerosol	May look like smoke at point of release, turning colorless. Instant eye irritation.	Coughing and copious tears.	Irritates respiratory tract, eyes, and skin.	Instantaneous	Face the wind with eyes open; do not rub eyes.	Flush eyes, face, and skin with water.	Mask Cml-Bio	CS and CN — Riot Control agents	White cloud

¹ US Agent symbols are used in this figure only for convenience and for reference.

² Mixtures of chemical agents, such as nerve agents and choking agents, may be used.

³ Although riot control agents are not considered chemical agents, they have been used routinely in combat.

Table 4-3 Summary of Chemical Agents

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AGENT AGENTS		MEANS OF DISSEMINATION MÉTHODES DE DISSÉMINATION									
		Artillery Mortar Artillerie Mortier	Rocket	Mine	Grenade	Candle/Pot Chandelle/Pot	Disperser (Ground) Vaporisateur (Terre)	Aircraft Spray/Disperser Vaporisateur (Aérien)	Aircraft Bomb Bombe aérienne	Aircraft Cluster Escadrille d'avions	Missile
NERVE NEURO- TOXIQUE	G-Agent/Agent-G	X	X	X					X	X	X
	V-Agent/Agent-V	X	X	X				X	X	X	X
BLISTER VÉSICANTS	Mustards/Moutardes	X	X	X				X	X	X	X
	Arsenicals/Arsenic	X	X	X				X	X	X	X
	CX	X	X	X				X	X	X	X
BLOOD/HÉMOTOXIQUE		X	X					X	X	X	X
CHOKING/SUFFOCANT		X	X					X	X	X	X
VOMITING/VOMITIF					X	X					
TEAR/LACRYMOGÈNE				X	X	X	X	X			
OTHER NON-LETHAL AUTRES GAZ NON-MORTELS		X	X					X	X	X	X

Table 4-4 Means of Dissemination for Chemical Agents

- 10 -

- (2) Generally, the exploding munitions would cause large puffs of smoke, or clouds, which might be recognizable to the defending troops as chemical munitions.

b. Persistent Attacks

- (1) Persistent attacks would have the aim of producing casualties and of hampering movement and restricting the use of ground. This form of attack may be used against unoccupied targets to cause casualties from contact with contaminated terrain after troops enter the area. The nature of the agents used will produce a vapour hazard in the area for an extended period of time. The time period can be extended even further by periodic replenishment of the original contamination. This type of attack would severely reduce the combat effectiveness of troops because of the high level of personal protection required to prevent contamination of the body, clothing and equipment. Delayed casualties among masked and unmasked troops can be expected.
- (2) Persistent agents can be delivered by widely diverse systems. An attack by shells and rockets may be apparent to observers, but if the agent is disseminated by a cruise-missile or aircraft, or by high air-bursting munitions it might not be apparent that an attack has taken place until liquid droplets begin to arrive in the area.

c. Harassing Attacks. The irregular and intermittent use of persistent and non-persistent agents will necessitate the prolonged wearing of the protective ensemble. This type of attack could lower efficiency through fatigue, heat-stress and discomfort. This, in turn, could generate poor protective discipline with a resulting increase in casualties.

d. Off-unit Attack. A unit may be subject to vapour from an attack delivered in another area upwind, and possibly, to liquid contamination from aerial attack against a nearby unit. The passing of attack reports and warnings plays an important part in the mitigation of this type of attack. Mobile units may be subject to this hazard during movement from one area to another.

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- e. In all events, it is possible that a mixture of chemical agents may be used, increasing the problem of identification of the agent(s).

Effects of Weather and Terrain

1. General - The likelihood of the employment of chemical agents and their effectiveness is influenced by the weather and the terrain in and around the target area. Attacks can take place in any temperature:

- a. Temperature - The vapour hazard increases with increasing temperature; high temperatures increase the effectiveness of HD and GB particularly. Low temperatures decrease the vapour hazard, but this will recur if the liquid or frozen agent is taken into a warmer temperature, eg vehicle or shelter. Liquid agent on snow presents an immediate contact hazard;
- b. Air Turbulence - Air turbulence caused by vertical variations in air temperature will disperse an agent cloud quickly. Stable air conditions, such as those that occur on clear nights or cloudy overcast days are most suitable for chemical attack. The best time is generally acknowledged to be just before sunrise when minimum temperatures occur. Thereby maximizing inversions;
- c. Wind - Wind speeds up to 15 knots are most favourable for chemical attack. High winds disperse the agent clouds quickly and increase the evaporation of liquid contamination, thus reducing the pick-up hazard. The wind speed and direction determine the downwind vapour hazard;
- d. Humidity and Precipitation - High humidity increases the effectiveness of HD. Heavy and prolonged rainfall tends to wash away liquid contamination but this may then collect in low areas and present a lingering hazard. Snow cover reduces the evaporation rate of liquid contamination, thereby reducing the vapour hazard. A moderate or heavy fall of snow over a contaminated area may allow comparatively safe movement through the area until the layers melt or are churned up;
- e. Terrain - An understanding of the effects of terrain on the behaviour of an agent will enable the commander to improve his unit's protective posture by taking advantage of the ground situation -

- (1) contours - Under stable conditions chemical agent clouds tend to flow over rolling terrain and down valleys. Concentrations will gather and persist in hollows, low ground and depressions. Tall grass, crops and brush retard movement of the cloud.
 - (2) trees and vegetation - Vegetated areas can be more effectively contaminated with liquid VX and HD than can bare terrain, and concentrations of vapour remain in the area for longer periods. Contamination on leaves and branches poses an increased pick-up hazard.
 - (3) soil - Soil conditions affect chemical shell penetration, and the local distribution of liquid agent is therefore also affected. In deep penetrations, part of the filling will remain in the crater and a decrease in the vapour concentration may result. Shallow penetrations provide a wider distribution of liquid agent.
10. Page 4-108 para 450 - 2 line 6.
Delete "Task oriented Protection Levels".
Replace with "NBC STATES".
 11. Page 4-108 para 450 - 2 line 8.
Delete levels, add STATES
Page 450 - 2 line 11
Delete level, add STATE
 12. Page 4-109 Top of page - line 3.
After ---- can be made,
Delete "and contaminated mask cannisters replaced".
 13. Page 4-109 para 3 line 5.
Delete "does", add "do".
 14. Page 4-109 para 4
Replace with:

Decontamination

1. General. During operations it will seldom be feasible to decontaminate all equipment vehicles and weapons completely owing to the extensive requirements for time, man-power and decontaminants. The purpose of decontamination is to reduce the hazard to personnel. Complete decontamination is of no value unless it is performed in a clean area to

enable personnel to remove the protective ensemble. Operational and detailed decontamination should be restricted to what is necessary to prevent casualties and to enable completion of the mission.

2. Decontamination. In the unit, the hazard is reduced in stages:

- a. Immediate decontamination is for the survival of the individual and is described in CFP 316 Vol 1.
- b. Operational decontamination is carried out when the commander decides that the time and situation permit such measures and when a lessening of the hazard is required. It is limited as follows -
 - (1) all individuals. Decontamination of weapons, clothing and personal equipment.
 - (2) selected individuals. Decontamination of unit items of equipment such as radios and crew-served weapons on those surfaces handled by the users.
 - (3) detailed decontamination. The final stage in decontamination when the effort is worth complete cleaning of equipment.

3. Unit Level Operational Decontamination. Operational decontamination is conducted by personnel working in pairs, or small groups such as gun crews, preferably in a clean area upwind of the contamination. The decontamination mitt is used on small items of equipment and the Decontaminating Apparatus CI on vehicles and crew-served weapons. Ground in the immediate area of weapon slits and slit trenches can be decontaminated by removing the top layer of soil and applying bleach powder.

4. Formation Level Operational Decontamination. Decontamination at formation level will probably be attempted only when the formation is removed from the battle area and is to occupy a clean area. It involves the cleansing of all vehicles, weapons and other equipment, probably at a central point or points, and is organized by the formation headquarters. Suitable areas with a water supply and adequate drainage must be selected and all equipment moved to the cleansing area according to an established plan. Units will be required to supply personnel for this task. The Decontamination Apparatus M12A1 is the main item of equipment used during this type of operation.

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15. Page 4-109 para 5.
At end of para add "for nuclear radiation".
16. Page 4-110 para 5 line 5
Before "Nuclear" add "Friendly nuclear strike warnings etc."
17. Page 4-110 para 452 3b
Delete "fallout", add "NBC Strikes".
18. Para 4 b (1)
Delete "and mask cannisters".
19. Paras 5, 6, 7
Delete entirely.
Replace with the following:

5. NBC Centre - When required by the threat, NBC Centres are to be established within the operations branch or section of all formation HQs. The composition and strength of the Centre will depend upon the formation level. Comparable but lesser functions are allocated to the NBC Cell at unit level. The function of the NBC Centre includes all or some of the following:

- a. provision of assistance and advice on NBC defensive matters to the commander, staff and units;
- b. collection, evaluation and dissemination of NBC reports;
- c. maintenance of adequate meteorological information for use in an NBC environment;
- d. assessment of effects of enemy NBC strikes, including the preparation of fallout, chemical or biological predictions;
- e. liaison with artillery or other friendly staffs conducting NBC operations, and dissemination of -
 - (1) friendly STRIKWARNS, and/or
 - (2) time of arrival and duration of downwind hazards from friendly strikes;
- f. advice on the impact of NBC hazards on tactical operations;

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- g. coordinating NBC detection measures and NBC sentries in the command;
 - h. planning and coordination of radiological and chemical surveys;
 - j. direction on the forwarding of samples of unknown chemical or biological agents;
 - k. maintenance of an NBC situation map;
 - m. maintenance of time-dose rate graphs;
 - n. coordinating the use of NBC resources not allocated to lower levels;
 - p. maintenance of Radiation Exposure States (RES) of units and sub-units;
 - q. planning and coordinating contamination control operations;
 - r. direction or advice on the disposal of contaminated material when this is beyond the capability of units;
 - s. direction regarding the marking of hazardous areas when this is not a unit responsibility; and
 - t. liaison with, and advice to, intelligence staff on NBC intelligence matters.
6. NBC Officer - The NBCO, assisted by an NBC Supervisor (WO/NOC), shall be responsible for the following duties:
- a. the standard of NBC training;
 - b. the production of the NBC defence content of SOPs;
 - c. supervision of the supply and maintenance of NBC equipment;
 - d. organization and coordination of the detection, warning, reporting and dose control systems in the command;
 - e. at Division, Brigade and Combat Group levels, the organization and direction of the NBC Centre; and
 - f. at Battalion level, maintenance of records of NBC attacks, and receipt, origination, and dissemination of NBC reports.

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7. NBC Operator. The NBC operator shares in the duties listed for the NBCO/Supervisor.

8. Company/Squadron/Battery (or Independent Platoons, Flights, or Troops) Company and equivalent commanders, assisted by their NBC Officers and NCOs, are responsible for their sub-units in the same manner as unit commanders are for their units. Sufficient personnel, including reserves, shall be trained for the following functions:

- a. the manning of one NUDET OP or NBC sentry per company;
- b. the provision of a company radiological monitor and one radiological survey team;
- c. the provision of one chemical survey team per platoon; and
- d. the provision of one decontamination team per platoon.
- e. The company commander is also responsible for:
 - (1) ordering the all-clear from any hazard, and unmasking if appropriate;
 - (2) determining the necessity for, and appropriate time of, changing protective clothing;
 - (3) deciding when drinking and eating in a chemical hazard may take place; and
 - (4) deciding whether the canisters of masks should be changed.

9. Commander Arty - The Commander Arty is responsible for providing fallout prediction and warning.

10. Commander Armoured - The Commander Armoured is responsible for:

- a. route recce and area survey and signing when tasked;
- b. maintenance of an alternate NBC cell.

11. Commander Engineer Unit/Formation Engineer - The Commander Engineer unit/formation Engineer is responsible for:

- a. decontamination operations involving the use of earth-moving equipment;

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- b. providing equipment to assist in the construction of protective shelters; and
- c. the supply of potable water.

12. Commander Service Battalion - The Commander Service Battalion is responsible for:

- a. the supply of chemical defence equipment;
- b. formation decontamination facilities, to supplement unit resources;
- c. decontamination performed under formation arrangements through the NBC Centre; and
- d. assisting in conduct of mass casualty evacuation.

13. Commander Medical Unit/Formation Surgeon - The Commanding officer/formation surgeon is the commander's adviser on all medical aspects of NBC defence and is responsible for:

- a. advice on how to minimize casualties and the medical effects of radiation;
- b. supervision of arrangements for detection of contamination in, and decontamination of, food and water;
- c. the handling, treatment and evacuation of NBC casualties; and
- d. the supply of prophylactic and therapeutic medical stores.

14. Commander Helicopter - The Commander Helicopter is responsible for radiation recce and chemical survey.

15. Unit Commander - The Unit Commander is responsible for:

- a. unit individual standards of proficiency;
- b. protection of their units at all times;
- c. inspection and maintenance of unit NBC defence equipment;
- d. supervision of the activities of the unit NBC Cell;
- e. the provision of survey and decontamination teams for unit tasks and for duties as directed by the NBC Centre;

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- f. the provision of NBC sentries as required or as directed by the NBC Centre;
- g. the marking of contamination in the unit area and at points as directed by the NBC Centre; and
- h. contamination control at all times and detailed decontamination when appropriate.

16. NUDET Observation Post (OP). The NUDET Op is responsible for reporting observed data which enable the type and yield of burst to be calculated. Since nuclear bursts can be seen at great distances, the number of NUDET OPs is controlled by the NBC Centre, and units with ranging equipment, eg artillery, are given the responsibility of reporting. However, at the discretion of the NBC Centre, other units may be requested to assist, and a capability for this function must be developed by each company and equivalent sub-unit. This function is normally performed by the NBC sentry. The duties of NBC Sentries and NUDET OPs are described in Annex E.

17. Surveys Teams

- a. Survey teams are responsible for:
 - (1) monitoring and survey of NBC hazards and submission of reports;
 - (2) marking of contaminated areas in accordance with Annex M, and removal of signs if the area is likely to be occupied by the enemy;
 - (3) marking of entry and exit routes into unit areas;
 - (4) obtaining samples of unidentified agents for transmission to the NBC Centre;
 - (5) charging and reading of dosimeters; and
 - (6) maintenance of allotted equipment.
- b. Radiological survey teams carry out a directed effort to determine the degree and extent of radiation in an area. The duties should be combined with those of patrols and reconnaissance parties wherever possible, using the same personnel;
 - (1) A ground survey party includes a monitor, who operates a dose rate meter and records survey data, and an assistant who may be a driver,

radio operator or both. Additional personnel may be included in the party for security or other reasons, and it may be practical to allot the crew of an AFV for the task.

- (2) An aerial survey is conducted by aircraft fitted with the airborne radiation detection equipment. This type of survey is ordered by the formation rather than a unit HQ.
 - (3) When units are moving to new areas, it may be necessary to check the radiation on the route or at the destination.
 - (4) Normally the NBC Centre will plan and control all aerial surveys and those ground surveys ordered by it.
 - (5) Survey teams are likely to receive higher doses of radiation than other personnel and the rotation of personnel on teams may be necessary.
 - (6) Further information on radiological survey is contained in Annex G.
 - (7) Ideally, all personnel should be capable of performing this task.
- c. Chemical survey teams will normally consist of one supervisory NCO and four men working in pairs. Their duties and method of operation are given in Annex F. Detailed chemical survey or reconnaissance is a time-consuming procedure to be conducted only when absolutely necessary.

18. Unit Decontamination Teams.

- a. Decontamination teams are responsible for:
- (1) establishment and supervision of unit personal decontamination and equipment decontamination points;
 - (2) operational and detailed decontamination;
 - (3) disposal of contaminated material; and
 - (4) maintenance of allotted decontamination equipment.

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20. Page 4-112 para 453.
Suggest this could be placed in Chapter 5.
21. Page 7-2 para 702-3 line 3
Add "offensive" between "in" and "nuclear".
Delete "war"; add "operations".
Suggest final sentence be reworded and used as
opening sentence in para 3. ie., "Canadian
Forces tactical concepts ----- of nuclear
weapons. Since Canada does not ----- within
NATO".
22. Page 7-2 para 703 3:
Line 2: Delete "should", add "will".
Line 4: Delete "should", add "will".
23. Page 8-30 Following para 17.
During the discussions of this chapter it is
submitted that the appreciation might well
consider the implications of the "Threat of
Chemical Weapons".
24. General Comments
Chapter 5 - offensive operations discusses
"Influence of Nuclear Weapons"(para 508 and
516). No consideration is given to "Influence
of Chemical Weapons" although these have
previously been discussed. They are mentioned
in Chapter 6, para 631.



MEMORANDUM

2922-B-00-301-001/FP-001
~~2910-CFP 301(1)~~ (DLO)

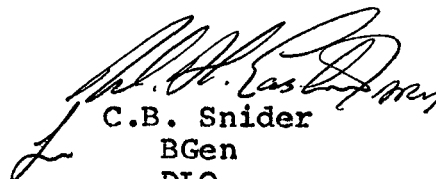
16 Jun 81

DLCD 4-2

CFP 301(1) - FORMATIONS IN BATTLE - SECOND DRAFT

Ref: A. 2910-CFP 301(1) (DLCD), 22 Jan 81

1. DLO has reviewed the subject draft pamphlet. Although there are no specific comments, it is considered that some mention should be made of Airborne Operations in Chapter Eight. As planning and execution of Airborne Operations is closely related to Airmobile Operations, it is suggested that an addendum to Chapter Eight section 4, be produced, which would serve to highlight the differences.



C.B. Snider
BGen
DLO
2-3718

W.H. Eastwood, Maj/DLO 2/6-4102/pm

~~608~~ - NDRMS

2922-B-06-301-001/FP-001

PA

MEMORANDUM

~~2900-1~~ (DLES 2-4)
~~3207-4~~

1 Jun 81

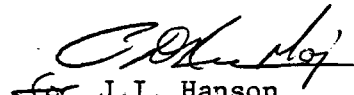
Distribution List

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CFP~~303~~(1) - FORMATIONS IN BATTLE
SECOND DRAFT

Refs: A. 2900-1 (Dlog Ops 4-2) 27 Jan 81
B. CFP 301(1) Formations in Battle - Second Draft
C. 2900-1 (DSRO 2) 11 Mar 81
D. 2900-1 (DTRP) 14 May 81

1. As requested at Ref A, the subject CFP has been reviewed. Our comments primarily concern the maintenance implications concerned in this manual and are included as Annex A to this memorandum.

2. References C and D have also been reviewed and are supported.


for J.I. Hanson
Col
DLES
2-9858

DISTRIBUTION LIST

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DLog Ops	DTRP DSRO DMOT

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
2-6	209.1.b.	The Divisional Service Group does not include the medical/dental or MP units. Where are these divisional resources shown?
2-29	218.1.a.	CSS units are not restricted to the provision of second line CSS. They also provide first line CSS to those units without integral CSS resources in addition to providing third line CSS at the Corps Level.
2-29	218.1.c.	<p>The last word of the second sentence should be "brigade or brigade group" vice "battalion".</p> <p>The fourth sentence is incorrect in that not all CSS resources are placed under command of HQ DISGP. The medical/dental and MP elements illustrate this point.</p>
2-29	218.2.a.	This is incorrect as the DISGP does not provide medical/dental or MP support. Why not simply refer to supply, transportation and maintenance support?
2-30	218.2.b.(4)	The tasks are not restricted to the provision of second line (recovery and repair) maintenance support but include first line maintenance support for these units without integral maintenance resources.
2-32	218.6.a.(5)	Manning the divisional BLP is normally a Corps responsibility.
3-5	308 and 309	CFP 301(1) should be consistent with B-OL-303-002/FP-001 (CFP 303(2)) so that they do not conflict. Furthermore the relationship between the "Affiliated Service Battalion" and its supported "Brigade" are not found in these definitions. The "In Support" definition is related only to the names of Arty, Armd and Inf as well as to Engineers and not related to CSS units whatsoever. The "Under Op Control" definition is presumably excluded as it indicates that it is "rarely employed below division level". These definitions must be improved and take into consideration the CSS relationship which should be "In Support" and it should be described in a new sub-paragraph 309.9.d.
3-13	312.2.b.	Insert "may" vice "often".
3-17	315.3.a.	<p>The Ops Cell should also include the following:</p> <ul style="list-style-type: none">- Destruction Policy (both for military and civilian equipments/resources)- Salvage Policy.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
3-17	315.3.b.	Should this not include "Control of Space in conjunction with the Ops Cell"?
3-19 to 3-23	316	Should not each cell be responsible for the provision of the appropriate advice within their discipline to Col CSS?
3-19	316.1.e.(4)	Reword as follows: "the divisional repair, recovery and salvage plans".
3-22	316.4.b.(2)	Reword as follows: "preparing the repair, recovery and salvage plans".
3-22	316.4.b.(3)	"co-ordinating" vice "supervising".
3-22	316.4.b.(10)	Insert: "coordinating the collection and evacuation of salvage".
3-25	318	<p>This must be completely rewritten to reflect the approved principles contained in the CSS study and the direction provided to them. The traditional line and staff relationships must be clearly identified indicating that technical control for example is a staff function. The ambiguities contained in paragraphs 314, 316 and 318 and cited in part below must be resolved: eg.</p> <ul style="list-style-type: none">- Para 316.1 indicates that the ADM Branch (Col CSS) is responsible for advice to the Commander on <u>all</u> administrative matters (ie Pers and Log).- Para 318.4 ignores para 316.1 by indicating that the Comd DISGP is <u>the</u> adviser on logistics matters.- Para 318.4 also suggests that the comd DISGP will normally task his subunit comd to provide their particular advice as required. It must be noted, however, that at para 314.6.b. these submit advisers (Div TN O, Div Sup O, Div Maint O) each have the right of direct access to the Div Comd as CSS advisers. This is incompatible with the use of permissive terms such as "will normally" and contrary to the traditional definitions of line and staff if the DISGP Comd is a Commander. There must be separation of the line and staff functions in accordance with the traditional definitions.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
3-D1	RGP	The RGP at both Div and Bde levels should not exclude RGPs of the Cbt Svc Sp Units. They should be included along with those of the Cbt Sp Units "as required".
4.105	449.1	Add "persistent", as a classification.
4-120	458.3.a.	Add to the end of the first sentence "as well as the transportation resources of the brigade service battalions".
4-123	459.7	Third sentence: Responsibility for location and security of Cont DP must be better defined. It is unlikely that responsibilities are identical to those for Per DP.
4-126	460.2	Insert the word "service" after the words "Brigade Group" in line 2. - Delete the second sentence in its entirety and replace it with the following: "Both organizations can deploy mobile resources to effect, "in-situ" repairs to all tracked as well as key wheeled vehicles and limited other equipments in the forward area. Repairs beyond the capabilities of these resources will be backloaded to the Divisional Maintenance Battalion.
4-131	464.1	This assumes that the various BAA will be behind and outside their respective brigade boundaries and thus fall within the DAA as a normal condition. In fact it is much more likely that the BAA will fall within brigade boundaries and not be within the DAA. Furthermore the affiliated Brigade Service Battalion forms the bulk of the BAA and is much smaller than the SBG Svc Bn. The reference to a Fwd BAA presupposes that the BAA is in the DAA and only small forward elements will operate within the brigade boundaries. This is incorrect as the affiliated service battalions will generally operated from within the brigade boundaries and will be relatively small and mobile units. They will in fact comprise the bulk of the BAA and would not normally deploy a forward BAA unless distances and exceptional circumstances so warranted.
4-133	464.5.b.	Line 7 - Delete "in an emergency" as all units and elements in the administrative area have a part to play in the defence as coordinated by the headquarters responsible for the defence of the administrative area.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
4-141	469.4.c.	Should read "Annex A" vice "Annex B".
5-61	519.1	Errata - "mission" vice "missin".
5-62	519.3.b.	See comments re pages 3-5 through 3-7 on operational relationships. Note that Under Command is not defined for CSS Units and is inappropriate in most cases as they are a divisional resource allocated to the brigades and tailored to meet their requirements as required. The normal relationship more closely approximates "Operational Control" or "In Support". Either the term Under Command for CSS units must be defined or the relationship must be altered.
5-62	519.3.d.	Suggest "maintenance and recovery" vice "repair and maintenance" which in itself is redundant.
6-54	629.2	The term "commander of services functions group" is not understood and is confusing. If this was intended to refer to the Comd DISGP it should be so stated.
7-3	704.3	Errata: Line 2 - "for the use" vice "by the use".
8-1	801	Errata: Line 8 - "significant" vice "significance".
8-28	810.14	Errata: Line 4 - "except" vice "accept"
8-50	813.17.b.	Errata: Line 2 - "bridgehead" vice "bridehead".
8-51	813.20.c.	The second sentence should be changed to indicate that recovery vehicles, preferably armoured recovery vehicles (or as a minimum a vehicle equipped with a winch) should be positioned <u>on the far side</u> of the obstacle at the earliest opportunity to ensure that immobile vehicles are cleared from the crossing exits or lanes.
8-73	822.4	Since this para includes reference to an airborne or air-mobile force (Para 822.1) should it not include mention of an FCL as well as a FSCL as defined on page 4-69 at para 434.1.d.
8-74	Fig 8-4	This should be amended to include the FCL or else the example should refer to link up which does not involve on airmobile or airborne force.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
8-75 and 8-80 and 8-83	823.4.b. and c. 826 827	<p>At para 823.4.b. the definition for passage of lines restricts it to "attack through" whereas para 826.1 also includes "withdrawl through". It is recommended that "Passage of Lines" include both "Forward and Rearward" passage and that</p> <ul style="list-style-type: none">- para 823.4.b. be rewritten accordingly.- para 823.4.c. be deleted.- paras 826 and 827 be rewritten accordingly.
8-86	828.c.	<p>The word "detach" is vague and unacceptable as many CSS elements may not be under command of the formation withdrawing. This should be rewritten to indicate that the withdrawing force will normally have to provide combat service support throughtout its withdrawl. Coordinating CSS plans so that they are mutually supporting, must be achieved by the next higher headquarters.</p>

MEMORANDUM

2922-B-06-301-001/FP-001

PA

~~2900-1~~ (DLES 2-4)

~~3207-4~~

1 Jun 81

Distribution List

① CFP301(1) - FORMATIONS IN BATTLE
SECOND DRAFT

Refs: A. 2900-1 (Dlog Ops 4-2) 27 Jan 81
B. CFP 301(1) Formations in Battle - Second Draft
C. 2900-1 (DSRO 2) 11 Mar 81
D. 2900-1 (DTRP) 14 May 81

1. As requested at Ref A, the subject CFP has been reviewed. Our comments primarily concern the maintenance implications concerned in this manual and are included as Annex A to this memorandum.

2. References C and D have also been reviewed and are supported.

② ~~DMOT 2-2~~ *3/6*

Info & P/A

hld 072

5 Jun 81

[Signature]
for J.I. Hanson

Col

DLES

2-9858

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ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
2-6	209.1.b.	The Divisional Service Group does not include the medical/dental or MP units. Where are these divisional resources shown?
2-29	218.1.a.	CSS units are not restricted to the provision of second line CSS. They also provide first line CSS to those units without integral CSS resources in addition to providing third line CSS at the Corps Level.
2-29	218.1.c.	The last word of the second sentence should be "brigade or brigade group" vice "battalion". The fourth sentence is incorrect in that not all CSS resources are placed under command of HQ DISGP. The medical/dental and MP elements illustrate this point.
2-29	218.2.a.	This is incorrect as the DISGP does not provide medical/dental or MP support. Why not simply refer to supply, transportation and maintenance support?
2-30	218.2.b.(4)	The tasks are not restricted to the provision of second line (recovery and repair) maintenance support but include first line maintenance support for these units without integral maintenance resources.
2-32	218.6.a.(5)	Manning the divisional BLP is normally a Corps responsibility.
3-5	308 and 309	CFP 301(1) should be consistent with B-OL-303-002/FP-001 (CFP 303(2)) so that they do not conflict. Furthermore the relationship between the "Affiliated Service Battalion" and its supported "Brigade" are not found in these definitions. The "In Support" definition is related only to the names of Arty, Armd and Inf as well as to Engineers and not related to CSS units whatsoever. The "Under Op Control" definition is presumably excluded as it indicates that it is "rarely employed below division level". These definitions must be improved and take into consideration the CSS relationship which should be "In Support" and it should be described in a new sub-paragraph 309.9.d.
3-13	312.2.b.	Insert "may" vice "often".
3-17	315.3.a.	The Ops Cell should also include the following: <ul style="list-style-type: none"> - Destruction Policy (both for military and civilian equipments/resources) - Salvage Policy.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
3-17	315.3.b.	Should this not include "Control of Space in conjunction with the Ops Cell"?
3-19 to 3-23	316	Should not each cell be responsible for the provision of the appropriate advice within their discipline to Col CSS?
3-19	316.1.e.(4)	Reword as follows: "the divisional repair, recovery and salvage plans".
3-22	316.4.b.(2)	Reword as follows: "preparing the repair, recovery and salvage plans".
3-22	316.4.b.(3)	"co-ordinating" vice "supervising".
3-22	316.4.b.(10)	Insert: "coordinating the collection and evacuation of salvage".
3-25	318	<p>This must be completely rewritten to reflect the approved principles contained in the CSS study and the direction provided to them. The traditional line and staff relationships must be clearly identified indicating that technical control for example is a staff function. The ambiguities contained in paragraphs 314, 316 and 318 and cited in part below must be resolved: eg.</p> <ul style="list-style-type: none">- Para 316.1 indicates that the ADM Branch (Col CSS) is responsible for advice to the Commander on <u>all</u> administrative matters (ie Pers and Log).- Para 318.4 ignores para 316.1 by indicating that the Comd DISGP is <u>the</u> adviser on logistics matters.- Para 318.4 also suggests that the comd DISGP will normally task his subunit comd to provide their particular advice as required. It must be noted, however, that at para 314.6.b. these submit advisers (Div TN O, Div Sup O, Div Maint O) each have the right of direct access to the Div Comd as CSS advisers. This is incompatible with the use of permissive terms such as "will normally" and contrary to the traditional definitions of line and staff if the DISGP Comd is a Commander. There must be separation of the line and staff functions in accordance with the traditional definitions.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
3-D1	RGP	The RGP at both Div and Bde levels should not exclude RGPs of the Cbt Svc Sp Units. They should be included along with those of the Cbt Sp Units "as required".
4.105	449.1	Add "persistent", as a classification.
4-120	458.3.a.	Add to the end of the first sentence "as well as the transportation resources of the brigade service battalions".
4-123	459.7	Third sentence: Responsibility for location and security of Cont DP must be better defined. It is unlikely that responsibilities are identical to those for Per DP.
4-126	460.2	<p>Insert the word "service" after the words "Brigade Group" in line 2.</p> <p>- Delete the second sentence in its entirety and replace it with the following: "Both organizations can deploy mobile resources to effect, "in-situ" repairs to all tracked as well as key wheeled vehicles and limited other equipments in the forward area. Repairs beyond the capabilities of these resources will be backloaded to the Divisional Maintenance Battalion.</p>
4-131	464.1	This assumes that the various BAA will be behind and outside their respective brigade boundaries and thus fall within the DAA as a normal condition. In fact it is much more likely that the BAA will fall within brigade boundaries and not be within the DAA. Furthermore the affiliated Brigade Service Battalion forms the bulk of the BAA and is much smaller than the SBG Svc Bn. The reference to a Fwd BAA presupposes that the BAA is in the DAA and only small forward elements will operate within the brigade boundaries. This is incorrect as the affiliated service battalions will generally operated from within the brigade boundaries and will be relatively small and mobile units. They will in fact comprise the bulk of the BAA and would not normally deploy a forward BAA unless distances and exceptional circumstances so warranted.
4-133	464.5.b.	Line 7 - Delete "in an emergency" as all units and elements in the administrative area have a part to play in the defence as coordinated by the headquarters responsible for the defence of the administrative area.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
4-141	469.4.c.	Should read "Annex A" vice "Annex B".
5-61	519.1	Errata - "mission" vice "missin".
5-62	519.3.b.	See comments re pages 3-5 through 3-7 on operational relationships. Note that Under Command is not defined for CSS Units and is in appropriate in most cases as they are a divisional resource allocated to the brigades and tailored to meet their requirements as required. The normal relationship more closely approximates "Operational Control" or "In Support". Either the term Under Command for CSS units must be defined or the relationship must be altered.
5-62	519.3.d.	Suggest "maintenance and recovery" vice "repair and maintenance" which in itself is redundant.
6-54	629.2	The term "commander of services functions group" is not understood and is confusing. If this was intended to refer to the Comd DISGP it should be, so stated.
7-3	704.3	Errata: Line 2 - "for the use" vice "by the use".
8-1	801	Errata: Line 8 - "significant" vice "significance".
8-28	810.14	Errata: Line 4 - "except" vice "accept"
8-50	813.17.b.	Errata: Line 2 - "bridgehead" vice "bridehead".
8-51	813.20.c.	The second sentence should be changed to indicate that recovery vehicles, preferably armoured recovery vehicles (or as a minimum a vehicle equipped with a winch) should be positioned <u>on the far side</u> of the obstacle at the earliest opportunity to ensure that immobile vehicles are cleared from the crossing exits or lanes.
8-73	822.4	Since this para includes reference to an airborne or air-mobile force (Para 822.1) should it not include mention of an FCL as well as a FSCL as defined on page 4-69 at para 434.1.d.
8-74	Fig 8-4	This should be amended to include the FCL or else the example should refer to link up which does not involve on airmobile or airborne force.

ANNEX A

TO 2900-1 over 3207-4 (DLES 2-4)

DATED 1 JUN 81

PAGE	TEXT REF (PARA)	COMMENTS
8-75 and 8-80 and 8-83	823.4.b. and c. 826 827	<p>At para 823.4.b. the definition for passage of lines restricts it to "attack through" whereas para 826.1 also includes "withdrawal through". It is recommended that "Passage of Lines" include both "Forward and Rearward" passage and that</p> <ul style="list-style-type: none">- para 823.4.b. be rewritten accordingly.- para 823.4.c. be deleted.- paras 826 and 827 be rewritten accordingly.
8-86	828.c.	<p>The word "detach" is vague and unacceptable as many CSS elements may not be under command of the formation withdrawing. This should be rewritten to indicate that the withdrawing force will normally have to provide combat service support throughout its withdrawal. Coordinating CSS plans so that they are mutually supporting, must be achieved by the next higher headquarters.</p>



National Défense
Defence nationale

2922-B-06-301-001/FP001
~~2900-1~~ (D Log Ops 4-2)

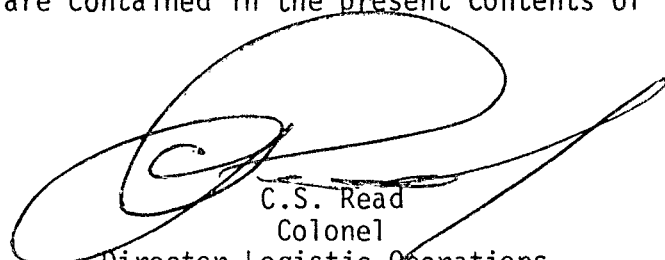
15 June 1981

Distribution List

CFP 301(1) FORMATIONS IN BATTLE - SECOND DRAFT

References: A. 2910-CFP 301(1) 22 Jan 81
B. 2911-CFP 301(1) D Log Ops 23 Nov 79

1. At Reference B this Directorate advised that the eventual results of the CSS Study (Part one) would have to be incorporated in the subject publication. The comments at Annex A largely reflect the results of that Study, as accepted by CDC VII, and should replace the present CSS content of CFP 301(1).
2. The comments at Annex A also reflect staffing by DTRP, DSRO and DLES.
3. It should be noted that Annex A does not contain lengthy comments on the "staff" aspects of formations in battle although, this Directorate believes such comments are required. It is accepted that the responsibility for such comments rests primarily with DLCD. Therefore the comments concerning "Staff" at Annex A have been limited essentially to errors concerning the Adm Branch which are contained in the present contents of the CFP.


C.S. Read
Colonel
Director Logistic Operations
for Chief of the Defence Staff

Attachment: Annex A

DISTRIBUTION LIST

<u>Action</u>	<u>Information</u>
<u>Internal</u>	<u>External</u>
DLCD	Headquarters Mobile Command St Hubert, PQ J3Y 5T5 Attn: SSO Cbt Svc Sp
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MEMORANDUM

2922-B-06-301-001/FP-001

2910-CFP(1) (DEW)

K Jun 81

DLCD

CFP301(1) - FORMATIONS IN BATTLE - SECOND DRAFT

Ref: NDHQ 2910-CFP301(1) 22 Jan 81

1. As requested in Ref, DEW reviewed in detail the portions of CFP301(1) text which concerned electronic warfare. The areas reviewed were:

- a. Chapter 4, Section 5;
- b. Chapter 5, Section 3, Subsection 512, para 16; and
- c. Chapter 6, Section 4, Subsection 630.

2. The aim of CFP301(1) is to present the tactical doctrine for the conduct of operations. Chapter 4 Section 5 basically defines every electronic warfare term, discusses organizations, outlines some operations and tactics, addresses command and control, counter-countermeasures and finally training. It is felt by this Directorate that most of the detailed definitions and tactics should not be included in CFP301(1). At present CFP322(9) interim Communications Volume 9 Electronic Warfare Doctrine contains the definitions and outlines basic tactics. CFP301(1) should outline in general terms electronic warfare roles and capabilities, outline organizations at various formation levels, command and control and training. Attached as Annex A is the DEW recommended text for Chapter 4 Section 5 Electronic Warfare for CFP301(1).

3. The remaining two areas reviewed come directly from the text of CFP322(9) interim and require no changes.

4. It is hoped that these comments will bring CFP301(1) closer in line with the Combat Development System Study.

D.J. Ross
LCol
DEW
2-7274

Attachment

Annex A - Chapter 4 Section 5 Electronic Warfare

M.E. Hanrahan, Capt/DEW 2-3/2-8350/mch

000184

MEMORANDUM

NDRms/PA

2922-B-06-301-001/FP-001

~~2900-1~~ (DSRO 2)

29 May 81

Distribution List

CFP 301(1) FORMATIONS IN BATTLE
SECOND DRAFT

Refs: A. 2900-1 (DSRO 2) 11 Mar 81
B. 2900-1 (D Log Ops 4-2) 27 Jan 81

1. Further to Ref B, detail review of subject publication has now been conducted. Particular comments are attached as Annex A.
2. Recommendations at paras 3 and 4 of Ref A are still valid.



R.R. Marrs
LCol
DSRO 2
6-8264

Attachment: Annex A

DISTRIBUTION LIST

<u>Action</u>	<u>Information</u>
D Log Ops 4	DTRP
	DLES
	DMOT

TO 2900-1 (DSRO 2)

DATED 29 MAY 81

SERIAL	REFERENCE	OBSERVATIONS/REMARKS/CRITICISMS
1	218 1.c.	On line five, delete the word battalion and insert brigade. Light service battalions are not designed to support battalions but brigade size formations.
2	218 2.a.	The term "Divisional Service Group" is the proper term and should be referred as such throughout the publication. Necessary corrections are therefore necessary. Furthermore, the three words should be capitalized.
3	218 2.b.(3)	Ammunition rations, fuels and lubricants, are defined as "combat supplies" and this terminology should be used throughout this publication.
4	218 2.c.(1)	After the word headquarters delete "and" and insert "which includes a".
5	218 2.c.(2)	After the word "each" delete battalion and insert brigade.
6	218 3.b.	It is incorrect to state that "the logistics operations center exercises many of the functions of command in controlling and executing the combat service support functions". Para 812 of the CSS Study is very explicit on this subject in stating Div Log Ops will coordinate support. Thus no notion of command but a control function only.
7	218 4.a.	On line five, after stores add "of a medical nature". The Supply Battalion has the responsibility for the provision of medical stores of a non-medical nature such as stretchers, blankets general stores in use in medical facilities etc.
8	218 6.a.(1)	The statement in this sub-para is totally incorrect. It is a function of the Supply Battalion to carry repair parts for the division. While it is recognized that some elements of the Repair Parts Platoon may be attached permanently to the Maintenance Battalion (Appendix 4 to Annex A to Volume 1 refers) it is a Supply Battalion responsibility to provide repair parts through the normal supply channels. Elements of the Repair Parts Platoon are only attached to maintenance organizations for convenience purposes. Refer to para 727 of Vol 1 CSS Study.
9	218 6.a.(8)	This function is a Supply Battalion responsibility although a large portion of the salvage will come from maintenance organizations at various levels.
10	219 5.a.(3)	Air delivery of urgent stores may be accomplished at any levels and is not restricted to COSCOM only. Normally urgent stores will be delivered by the fastest means available which is not necessarily air delivery. Furthermore, the term "urgent stores" should be qualified by "operationally".
11	309 3.c.	Sub-para (3) should be the introduction to sub-para c. It would situate neatly the operational relationship. It is suggested that sub-para (1) be reworded to indicate that gaining formation would accept the responsibility for combat supplies and other essential activities such as those described in sub-para (2). In the present format, there is a conflict between (1) and (2) whereby the former indicates the responsibility for combat supplies <u>only</u> (line 5) and the latter indicates other support activities being provided by the words "in addition". A clear definition is required.

SERIAL	REFERENCE	OBSERVATIONS/REMARKS/CRITICISMS
12	309 4.	Last line, change word "command" for "relationship".
13	314 6.b.	It is assumed that Div T or O, Div Sup O and Div Maint O are the Commanding Officers of the Transportation, Supply and Maintenance Battalion respectively. If this is the case, they therefore report to the DISGP Commander who is the only one having direct access to Divisional Commander from the DISGP. In special circumstances, however, they may provide specialist advice to the Divisional Commander. But it should not be normal practice.
14	316	<p>This paragraph requires a total rewrite as the fundamental responsibilities of the Colonel Combat Service Support and the DISGP Commander are in conflict. It should be determined very clearly that the Col CSS is the principal advisor to the Commander on administrative (logistic) matter. Assisted by his staff, he prepares the general administrative plan to support the proposed operational plan. As such, he has a direct input in the preparation of the operations plan/orders and he consults with the DISGP Commander's for the obtention of such informations. The DISGP Commander prime responsibilities are the command of the combat service units within the division and the execution of the general administrative plan. He and only he will prepare and issue the detailed administrative plan to the combat support units.</p> <p>The role and responsibilities of each must be clearly defined at the outset. Only then, can particular functions be determined. In particular sub-para 316.1c., d., and h., are clearly a DISGP Commander's responsibility.</p>
15	316.4.b(8) 316.4.c(7)	Requisitioning repair parts is a supply function performed by the Supply Battalion. It is definitely not a staff function at Divisional Headquarters and if problems do arise, they will be brought to the attention of the appropriate staff.
16	316.4.d.(3)	Control of delivery points is a service battalion function. It would be ludicrous to attempt to control delivery points at Div level. Even control of delivery point locations must remain a brigade responsibility as they are affected by the tactical situation. It is interesting to note that para 319 4.h. gives this task to Bde HQ. Location of delivery points for DIV Troop units remains a DISGP responsibility in consultation with Division Headquarters.
17	316.4.d.(7)	Which financial services? It is assumed non-public funds policy in support of the provision of CANEX supplies.
18	316.4.d.(8)	This is clearly a responsibility of the Pers cell and not a supply function.
19	316.4.d.(11)	What is meant by "fire services"? Definitely not a supply responsibility.
20	318.2	Combat Service Support Advisors should not have direct access to the Divisional Commander except under very unusual circumstances. Their normal chain of command should be through the DISGP Commander and the Colonel CSS.
21	319.1	The concept of having SSOs on certain affiliation appears unworkable. Where do we take him and what do we do with him when the affiliation is changed. Obviously, we should have either SSOs or SO2 but not a mixture. Furthermore, the argument "for reasons of staff liaison" is very weak. In the good old days, staff Learners (Capt/Lt ranks) were used for that purpose.

SERIAL	REFERENCE	OBSERVATIONS/REMARKS/CRITICISMS
22	319.3	Totally disagree that the SSO/SO2 Adm is subordinate to the SSO/SO2 ops. Both are advisors to the Commander on the same level although SSO/SO2 Ops may have an additional coordinating function. The SSO/SO2 Adm must have direct access to the Commander without requesting any permission or going through the SSO/SO2 Ops although he will always inform the SSO/SO2 Ops of his discussions with and decisions from the Commander.
23	319.3	In addition to the SO3 Log and SO3 Pers are also located at Brigade HQ advisors for supply, maintenance and transport, previously located on the service battalion staff. Their advisory function is complemented by the performance of duty shifts.
24	319.4.m.	The command relationship of the MP Platoon must be clearly established and the tasking authority clearly defined. Here again, we try to avoid this contentious issue by not mentioning anything in the operations paragraph except that the MP PL will be located at brigade headquarters (see para 319.5) and his operational taskings are reported by SSO/SO2 Adm. The command relationship must be clearly defined.
25	319.4	Is the last sentence really necessary? Do logisticians have to be reminded?
26	458 2.c.	It is incorrect to state that B echelon is invariably sited in the DAA. This echelon can best perform its functions when it is sited in the BAA where they are closer to their combat service support units. Therefore, B echelon should be located in the DAA only when they are absolutely not required by their brigade.
27	458 3.b.(1)	Totally incorrect. Collection of combat supplies from a Replenishment Point (normally to the rear) is a responsibility of the Service Battalion which is also responsible for their delivery at a Delivery Point. The Transportation Battalion is only responsible the collection of combat supplies for The Division Troop units and their delivery at an established Delivery Point as well as maintaining the maintenance load for Div Troop units.
28	458 3.b.(3)	Incorrect. The Transportation Battalion only holds and carry the maintenance load for Divisional Troop units. The maintenance load for regular Divisional units is carried by the affiliated service battalion.
29	459	With the exception of sub-para 1 this paragraph is totally incorrect and based on false principles. Replenishment points, supply points, ration points, commodity points and delivery points are used indiscriminately, at inappropriate levels and based on false principles. It is therefore recommended that this paragraph be rewritten in total.
30	459.2	The DISGP establishes DPs only to support corps troop units and not to satisfy the requirements of combat units. DPs for brigade units are controlled by their affiliated service battalion. Furthermore, it is very unlikely that "F" echelon vehicles will come to the rear and draw materiel/commodities at DPs. This paragraph has to be rewritten.

SERIAL	REFERENCE	OBSERVATIONS/REMARKS/CRITICISMS
31	459.3	DPs are locations where commodities are transferred from second line vehicles to first line vehicles. (In some cases, a direct exchange of vehicles may occur ie., empty for a full vehicle). The type of commodity being transferred bears no relationship at all. Commodity points such ammo points, POL points, ration points may be established for specific purposes and length of time and they normally hold only one type of commodity. These commodity points are not be confused with delivery points as they serve a totally different purpose. This paragraph needs to be redone.
32	459.4 and 5.	There is only one type of DP and it normally operates for a very short period of time under the cover of darkness. Continuous DPs, referred in para 4, are commodity points. These two paragraphs must be rewritten to eliminate the confusion.
33	459.6	This paragraph is totally in error. Selection of a DP location and alternate locations is a unit responsibility. Affiliated service battalions obtain the necessary clearance from their respective brigade headquarters, inform the units accordingly and control the DP operations. DISGP headquarters only controls the DPs for Divisional Troop units. Rewrite is necessary.
34	459.7	Last sentence is correct. Comments, at serial 33, apply to the remainder.
35	459.9	Ammunition points may be established anywhere in the BAA or DAA. They are normally stocked for a specific operation and their size will depend on the scope of the operations, holdings by nature of ammunition, hours of operations and expected length of operations. Normal replenishment of ammunition to combat units is effected by affiliated service battalions based on demands submitted by combat units. The concept expressed in this paragraph is not adopted Canadian doctrine. Rewrite of this paragraph is therefore necessary.
36	459.10 and 11	The principle of POL replenishment is similar to that of replenishment of ammunition and rations. Therefore, the comments of serial 35 do apply.
37	459.13	This paragraph is totally erroneous. Resupply of rations is a service battalion responsibility with the exception of Div troop units where it is a Transportation Battalion function. It was never intended that B echelon vehicles to draw rations directly from the Supply Battalion based on the impracticability of this method, the distances involved and the amount of unnecessary traffic on the main supply routes. Therefore, this paragraph must be rewritten along the lines of serial 35.
38	459	This paragraph also fails to discuss the replenishment of repair parts, replacement of vehicles, general stores, technical stores, controlled and rationed stores, demand procedures and releasing authorities. These subjects must be covered at least in general terms.
39	464.1	This paragraph and especially the first sentence, is most confusing. The various administrative areas must be clearly defined before any particular logistics installations can be situated within any of them. It is suggested that there are only four basic administrative areas:

SERIAL	REFERENCE	OBSERVATIONS/REMARKS/CRITICISMS
		<p>a. <u>Division Administrative Area (DAA)</u>. A piece of terrain located in the division rear area and under the control of the Divisional HQ for the purpose of lodging second line services units in support of the division.</p> <p>b. <u>Divisional Troops Administrative Area (DTAA)</u>. A piece of terrain located in the division rear area and under the control of the Divisional HQ for the purpose of lodging second line services units in direct support of Divisional Troops attached to the Division. This area will only be allocated if there are sufficient second line services to warrant the allocation of such space.</p> <p>c. <u>Brigade Administrative Area (BAA)</u>. A piece of terrain located within the brigade boundaries and under the control of the brigade Headquarters, for the purpose of lodging second line combat service support units in direct support to that brigade.</p> <p>d. <u>Forward Administrative Area (FAA)</u>. A piece of terrain normally well forward brigade boundaries for the purpose of lodging portions of combat service support units allocated to a brigade. The FAA is normally established when distances or communications render impracticable the replenishment from the normal BAA.</p>
40	464.2	<p>The location and selection of administrative areas are <u>not</u> a responsibility of the division staff but as follows:</p> <p>a. Division HQ: DAA and DTAA.</p> <p>b. Brigade HQ: BAA and FAA.</p>
41	464.3	<p>In the first sentence should introduce the basic characteristics for an administrative area. Therefore, the words "The division" should be removed and the sentence restructured. In sub-para a., the words "forward and rear" should be replaced by "main". (Main Supply Route).</p>
42	Figure 4-11	<p>The title should be changed to: "DIAGRAMATIC LAYOUT, ADMINISTRATIVE AREAS IN A DIVISION". Diagram to be redesigned to show the four administrative areas. Particular attention should be paid to illustrate formed units in the appropriate administrative area. For example; the BAA should include a Service Battalion and a Field Ambulance whilst the DAA should show the DISGP and MEDGP units.</p>
43	632	<p>The concept of division administrative areas must be revised as per serials above and the combat service support units/elements placed in the proper administrative area.</p>
44	655 3.a.	<p>The concept of mobile DPs is not understood. It is certainly not intended to establish commodity points along the withdrawal route. Replenishment will be tailored for that particular type of operation.</p>
45	809.1	<p>This paragraph is totally unnecessary as it regurgitates previous statements associated with other phases of battle.</p>

MEMORANDUM

~~2910-CFP-301(1)~~ (DLA)

2922-B-06-301-001/FP-001

25 May 81

DLCD


CFP 301(1) - FORMATIONS IN BATTLE -
SECOND DRAFT

- Refs:
- A. CFP 301(1) - Formations in Battle - Second Draft
Dec 80
 - B. 2910-CFP 301(1) 22 Jan 81
 - C. ATP 35 Land Force Tactical Doctrine
 - D. ATP 27(B) Offensive Air Support Operations
 - E. ATP 41 Airmobile Operations

1. Ref B requested comments on Ref A.


2. In general, it is considered that Ref A diverges considerably from NATO doctrine as published in Refs C, D, and E. For example, Ref A treats delay, withdrawal, and retirement operations as defensive operations, whereas Ref C treats them as a separate class of operations. It is realized that divergencies of this nature may not be capable of simple correction. However, if Canada agrees to accept and abide by NATO doctrine, a new publication such as CFP 301(1) seems an appropriate place to commence teaching that doctrine.

3. Specific recommended amendments are included at Annex A.


H.F. Swain
LCol
DLA
2-7471

Attachment:

ANNEX A - Recommended Amendments to CFP 301(1)


D.E. Stovel, Maj/DLA 2/2-6040/cc

ANNEX A
TO 2910-CFP 301(1) (DLA)
DATED MAY 81

RECOMMENDED AMENDMENTS - CFP 301(1)

Serial	Item	Recommended Amendment	Remarks
1.	Para 204.2, line 13, p. 2-3.	Delete "transport".	Helicopter squadrons other than "transport helicopter squadrons" also move personnel.
2.	Para 217.27d, line 10, p. 2-27.	Insert comma after "capacity".	
3.	Para 308.2, p. 3-5.	This para should incl "under tactical command", "under tactical control", and, possibly, "under tactical control for movement".	These terms have apparently been accepted for Canadian usage, since "tactical control" appears in CFOOs for tac hel sqns. The first two are also incl in Anx A, Chapter 3, CFP 303(2), which describes "terms and definitions in current usage" (para 43, p. 3-11, CFP 303(2)). It should be noted that the terms are not incl in para 44, Chapter 3, CFP 303(2), which implies that CFP 303(2) should also be amended. See also para 308.6, p. 3-6, CFP 301(1), which refers to "tactical control".
4.	Para 308.4, line 6, p. 3-6.	After "delegate," insert "'operational command' or".	A commander may retain or delegate the same or a lesser operational relation- ship delegated to him. See AFNORTH Proposed Allied Publication on Command and Control of Allied Land Forces.
5.	Para 308.4, line 9, p. 3-6.	Delete "started" and insert "stated".	Typographical error.

ANNEX A
TO 2910-CFP 301(1) (DLA)
DATED MAY 81

Serial	Item	Recommended Amendment	Remarks
6.	Para 308.6, line 5, p. 3-6.	After "or assign" insert "operational control, tactical command, or".	See serial 4.
7.	Para 329, p. 3-36.	Delete "SOPs" and insert "SOP", in this para and throughout the publication.	The abbreviation "SOP" is both singular and plural, and should not be pluralized by the addition of an "s". Para 5b, p. viii, and p. 5-3-E of CFP 121(6) refer.
8.	Para 404.7k, p. 4-4.	Delete "tettered and untettered" and insert "tethered and untethered".	Typographical error.
9.	Para 420.4e, f and g, pp. 4-43 and 4-44, para 420.5c (2), line 3, p. 4-45.	Wherever hostile criteria or criterion are mentioned, insert "act" between "hostile" and "criteria" or "criterion" (seven locations).	"Hostile act criteria" is believed to be the correct term.
10.	Section 8, Chapter 4, including Fig. 4-8.	The entire section requires rewriting to achieve agreement with ATP 27(B).	Since the draft was originally written, ATP 27(A) has been replaced by ATP 27(B). There are many significant differences between the two publications.
11.	Paras 442.3 and 442.4, p. 4-88.	Delete paras and replace with paras 602 b and c, pp. 6-1 to 6-3, ATP 27(B).	See serial 10.
12.	Para 442.6a(1), p. 4-89.	Delete second sentence and insert "The message format is used to request offensive air support in the form of close air support or battlefield air interdiction."	Para 606b, ATP 27(B).

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DATED MAY 81

Serial	Item	Recommended Amendment	Remarks
13.	Para 442.6a (4), line 3, p. 4-89.	Delete "requist" and insert "request".	Typographical error.
14.	Para 445.3a, line 5, p. 4-93.	Delete "sufficien" and insert "sufficient".	Typographical error.
15.	Para 446.1	<p>Delete and insert "<u>General</u>. Tactical aviation is defined as aircraft, primarily rotary wing, which are assigned to ground forces for the purpose of providing air support. Tactical aviation operations are operations involving the employment of aviation units assigned to the operational and administrative control of land formations. The units are tasked by the formation commander, and provide:</p> <ul style="list-style-type: none"> a. close reconnaissance; b. anti-armour and fire support; c. liaison, radio relay, and utility operations; d. direction of artillery fire and strike by close support fighter aircraft; and e. tactical and logistic airlift of troops and material including immediate casualty evacuation." 	Para 207b, Air Support Study, and para 8b, Air Support Study Supplement

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DATED MAY 81

Serial	Item	Recommended Amendment	Remarks
16.	Para 446.2b, line 10, p. 4-94.	Delete "often" and insert "sometimes".	See paras 5 and 6, Annex A to Chapter 16, Air Support Study, for a description of the problems associated with combining medical evacuation and logistic missions.
17.	Para 446.3, p. 4-95.	Add new subpara "s. direction of artillery fire."	
18.	Para 446.4c, p. 4-96.	Requires editorial revision.	Para repeats some material from preceding para, and part of it is repeated later.
19.	Para 446e, line 5, p. 4-97.	Delete "range" and insert "ranges".	
20.	Para 446e(3), p. 4-98.	Delete "map" and insert "nap".	Typographical error.
21.	Para 512.17, p. 5-43.	Add new subpara "h. direction of artillery fire and strikes by close support fighter aircraft."	
22.	Para 624.1, line 11, p. 6-39.	Delete "armament" and insert "arming".	Para 15, Air Support Study Supplement.
23.	Para 624.1, line 12, p. 6-39.	Delete "division" and insert "attack helicopter squadrons".	FARPs are a squadron, rather than divisional, responsibility.

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DATED MAY 81

Serial	Item	Recommended Amendment	Remarks
24.	Para 803.1c(6), line 3, p. 8-6.	Insert comma after "reserves".	
25.	Para 815.1, line 3, p. 8-53.	Delete "helicopters" and insert "air vehicles".	ATP 41, para 201a.
26.	Para 815.1, line 4, p. 8-53.	Delete "land" and insert "ground".	ATP 41, para 201a.
27.	Paras 815.2, 3, and 4, pp. 8-54 and 8-55.	Amend to agree with ATP 41 paras 208, 209, and 210.	
28.	Para 816.1g, line 1, p. 8-56.	Delete and insert "select appropriate aviation bases and pick-up zones; and".	To agree with construction of other subparas.
29.	Para 816.7, line 4, p. 8-58.	Delete "They provide" and insert "It provides".	"Attack helicopter" in the preceding sentence is singular.
30.	Para 816.7, line 7, p. 8-58.	Delete "Their" and insert "Its".	See serial 30.
31.	Para 818.1a, p. 8-67.	Add new subpara (4) "provision of fuel for helicopters"; renumber existing sub- para (4) and (5) as (5) and (6).	Para 301a(1)(d), ATP 41.
32.	Para 818.2, line 3, p. 8-68.	Insert "transport" between "tactical" and "helicopter".	As in para 818.2d.

MEMORANDUM

2922-B-06-301-001/FP-001

PA → 2900-T (DTRP)

14 May 81

Distribution List

CFP 301(1) FORMATIONS IN BATTLE
SECOND DRAFT

- Refs: A. 2900-1 (D Log Ops 4-2) 27 Jan 81
B. CFP 301(1) Formations in Battle - Second Draft Dec 80
C. 2900-1 (DSRO 2) 11 Mar 81

1. Ref A has been reviewed and the following comments are made:
 - a. Article 218 (para 1c). The statement is made that, when a division is formed, "light service battalions are formed to provide service support to each battalion. The remaining CSS resources are organized into functional battalions". This statement is incorrect and should be changed to read "when a division is formed, second-line combat service support for the division is provided by the DISGP which commands all second-line CSS resources. The DISGP is organized into a number of service battalions which are grouped in support of each brigade and a number of functional battalions which provide second-line back-up to the service battalions and full second-line support to Divisional troops. The mix up composite and functional CSS groupings under centralized control allows the Division Commander flexibility and a simple system of command and control in assigning CSS resources to his brigades based on the tactical situation and their needs at a given time".
 - b. Article 218 (para 2a). Delete the word "last" in the sentence "It is the last link in the administrative chain between corps resources and the fighting units of the division". It is the link as far as administrative staffing is concerned; however, operationally, Corps CSS elements may provide direct support (ie dumping etc) to individual units of the Division.

.../2

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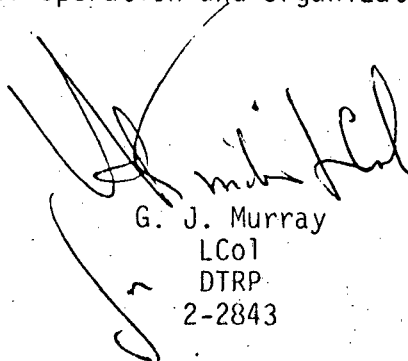
- c. Article 218 (para 2b). While on an exception basis, the following task could be added:
 - (8) to augment, as required, unit first line capabilities for limited periods.
- d. Article 218 (para 5a). For air movements, delete "personnel" and insert "services".
- e. Article 219 (para 5a and b). The additional support provided by COSCOM as stated in article 219 is in contradiction with present thinking. While reflected under Supply, dumping programs and air delivery would normally be support provided by the Corps Transportation element. Under services provided by Transportation, consideration should be given to deleting reference to ambulances and dump trucks.
- f. Article 308 (para 9). The term "in-support" should also be defined in terms of the relationship between the DISGP Service Battalions and the Brigades of the Division.
- g. Article 316 (para 4a). Delete sub-paras 5 and 6. Supervision of postal services would be Pers Svcs responsibility. Supervision of the TAMS teams would be the responsibility of the Transportation Battalion Commander, not the Div TN Cell.
- h. Article 316 (para 4d). The suggestion that the DIV SUP Cell would control DPs within the divisional area is difficult to comprehend. DPs in the Brigade areas would certainly be the responsibility of the requesting unit and the Log Ops Cell/ S & T Coy HQ of the appropriate Brigade Service Battalion with approval of the Brigade HQ. Correspondingly, DPs for divisional troops would be the responsibility of the DISGP Transport Battalion with approvals for routes, locations, etc, staffed through the TN Cell at DISGP HQ for Ops approval.
- j. Article 318/320. Article 318 requires rewriting to reflect the present concept of line and staff; ie - at Divisional level, CSS advisers do not command combat service support units: Furthermore, contrary to what is suggested in para 4, the principle advisers to the Division and Brigade Comds are not the DISGP and Service Battalion Comds respectively, but in fact the Bde/Div level adm staff as reflected in Article 320 para 4.

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- k. Article 457 (para 4). This paragraph requires rewriting to reflect the concept of "in-support" versus affiliation.
- m. Article 458. This complete article requires rewriting. The author refers only to the Transportation Battalion when discussing second-line support and has completely omitted any reference to Brigade Service Battalions. The duties reflected for the Transportation Battalion in paragraph 3 should be deleted and replaced with the "tasks" of second line transport, encompassing both the Transportation Battalion and the transportation element of the Brigade Service Battalion.
- n. Article 459. See previous comments on DISGP involvement with DPs in brigade areas. Para 6 indicates that the location of DPs is the responsibility of the DISGP HQ. This is incorrect. It is the responsibility of the requesting unit to select the location of the DP and an alternate site. It is a DIV HQ responsibility to approve the location, routes etc. The administrative staff may impose locations and dictate the type of DP to be operated but normally only on direction of the operations staff. The suggestion in para 13 that B echelon vehicles would draw directly from Supply Battalion facilities again fails to consider the role of the Brigade Service Battalions.
- p. Article 464. The comments forwarded by DSRO 2 (Ref C) are supported.
- q. Article 632 (para 3). Planning for supply and evacuation routes, traffic control within the division area etc are staff responsibilities - not those of the DISGP commander.

2. The above comments are by no means exhaustive but serve to point out some serious misconceptions as to how combat service support is provided in battle. The document, as presented, is unacceptable and requires considerable development work to properly reflect the combat service support system. It is recommended that the draft be returned to the OPI with guidance as to the present concepts of operation and organization of combat service support elements.


G. J. Murray
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DISTRIBUTION LIST (Page 4)

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SC 4649-4

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12 1981

5 May 1981

File No
Dossier No. **2922-B-06-301-001/FP-001**

Distribution List

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CFP 301(1) FORMATIONS IN BATTLE
DECEMBER 1980

1. The second draft of this manual has been reviewed by CLFCSC. The review started with the premise that general operational principles and roles would be dealt with in the revised CFP 300 and that CFP 301(1) would concentrate on the detailed conduct of tactics. On this basis a general comment on CFP 301(1) is that it is too repetitive of sections of CFP 300 and pruning could reduce its length considerably. Nevertheless, CFP 301(1) is a good effort which has been taken into use at the College.

2. Detailed comments are at Annex A. Since comments came from 15 different sources, it was not possible to list them all in page order, nor was it possible to identify more than the most blatant staff duties and typographical errors. It may be found that some comments are repetitive and in those cases it should be borne in mind that in repetition truth and strength may be found.

J.H. Allan
J.H. Allan
Lieutenant-Colonel
for Commandant

Attachment

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ANNEX A

TO SC 4649-4

DATED 05 MAY 81

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
1	1-1	102.5	Change to reflect new Canadian terminology reference.
2	1-2	103.1	Change "tangiabile" to "tangible". Change "soldier's" to "soldiers'".
3	1-3	106.2	All ground dictates a combination of fire and movement. In last sentence delete all after "forces".
4	1-4	106.6.a.	Change "serious" to "seriously".
	1-4	106.6.d.	Delete "and delay" in last sentence. The phase of war "defence" includes delay, defence, withdrawal, and retirement.
5	1-8	107.3.c.	In third line change "formatins" to "formations".
6	1-11	110.3.a.	Capitalize initial letter in "standardization".
7	1-14	113.2	This paragraph on the function of protection must be added to in order to reflect other aspects of protection, in particular, ECCM and operations security.
8	2-1	201.1	Add "currently" between "forces" and "are" in line one. Delete "groups" in line two and elsewhere in chapter.
	2-1	201.3	Revise this whole paragraph to delete "Task Force" phase of mobilization except for Defence of Canada operations.
9	2-2	203-207 incl.	Delete all; already covered in CFP 300. Make reference back to CFP 300 in paragraph 202.
10	2-6	209.1.b.	Revise to add missing elements such as "field ambulance", "military police", etc
11			All of Chapter 2 should be reviewed to ensure it reflects the organizations in CFP 303(1) correctly. Above error in Serial 10 is one example only.
12	3-4	307	Needs to be rewritten to reflect "step-up" as primary alternate headquarters and a brigade headquarters as secondary alternate headquarters.
13	3-7	308.9	Aviation should be shown in this paragraph.
14			All of the operation and administration relationships need to be in line with CFP 303(2) and vice versa.
15	3-11	310	Simply state here "see appropriate STANAG at Annex ____" and delete all detail in paragraph.

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PAGE 2

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
16	3-19	316	Col Adm vice Col CSS.
17	3-31 and 3-32	323	Revise to show deletion of Rear Headquarters. Relate Division Headquarters to DISGP Headquarters. Delete references to Rear Headquarters throughout.
18	3-41	331.3	Revise to reflect "step-up" as alternate headquarters.
19	3-43	332	Delete "Management"; insert "Working of the Headquarters".
20	4-6	406	Delete all "Intelligence Zones" references. Use only "area of interest" and "area of influence".
21	4-10	408	Revise to Operations Security concept.
22	5-5	504.3.a.	The distinction between corps "covering force" and division/brigade "covering troops" should be removed. At all levels the term "covering force" is used.
23	5-7	505.4	Delete in line 9 all after "for" to end of "brigade groups".
24	5-13	506.8	Change title to "Corps Covering Force".
25	5-13	506.9	Change title to "Division Covering Force". Throughout chapter delete all reference to "covering troops" and insert "covering force".
26			This chapter was written on the basis of a division of three brigade groups and has not been revised to reflect a division of three brigades. All references to the division containing brigade groups and to the division forming brigade groups should be deleted.
27	5-6		Figure 5-1 should be amended to reflect a corps covering force, and division/brigade covering forces.
28	5-10	5	In Figure 5-2 the portion of the two brigades up illustration below the two forward brigades should be deleted and replaced by one brigade symbol.
29			The chapter is written throughout with a corps covering force leading the advance. The College position is that the CARB will normally be engaged in providing flank security, rear area security, etc and will not lead the advance. Rather, the advance will be led by divisional reconnaissance regiments followed up by brigade reconnaissance squadrons. In particular, pages 5-13 and 5-14 require amendment.
			.../3

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Page 3

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
30	5-24	507.6	This paragraph refers to the "meeting engagement" which appears to be synonymous with the "hasty attack". Canadian doctrine has not broken out the "meeting engagement" as a separate form of offensive operation and it is recommended that the term not be used and that "hasty attack" be used in lieu. Incidentally, throughout the chapter the author uses "hasty attack" and "quick attack" indiscriminately. The correct term is "hasty attack".
31			In Section 3 of the chapter four basic forms of manoeuvre are discussed and some confusion arises in distinguishing between frontal attack, flanking attack, penetration, and envelopment. The College teaching is that frontal attack and flanking attack are nearly always conducted at battle group/battalion level and that the penetration and envelopment are formation manoeuvres. This section should be amended to reflect that. Also, Figure 5-4 at page 5-28 should be retitled to Battle Group Level and the manoeuvre symbols should be changed to combat team symbols.
32	5-33 and 5-34	511	<u>Stages of the Attack.</u> Pages 5-33 and 5-34 discuss three stages of the attack and these stages are further amplified in paragraph 514. Confusion exists between these two sections. The College position is that there are five stages of attack as follows: (1) assembly, (2) deployment, (3) assault (4) re-organization (5) exploitation.
33	5-46	21	<u>Brigade Attack Formations.</u> Delete paragraph. The correct detail on attack formations is contained on pages 5-39 and 5-40.
34			In some illustrations brigade group size symbols are employed, in others brigade size symbols are employed. In all cases the brigade symbols should be shown.
35			<u>Assault Position and Assault Line.</u> The only reference to these two aspects is on page 5-51 at paragraph 514 3b. The College position is that an assault position may often be used in an attack and the definition for assault position is contained in Annex K to CFP 121(4). The line at the forward edge of the assault position which the assaulting troops cross in assault formations is known as the assault line. It stands in the same relation to the assault position as a start line stands to an FUP.

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ANNEX A

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DATED 05 MAY 81

PAGE 4

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
36	5-53		On page 5-53 and elsewhere, reference is made to Immediate Exploitation. The College position on exploitation is shown in Annex A to GEN/O/G and in appropriate Offence Series Precis. The two types of exploitation are "Planned Exploitation" and "Opportunity Exploitation".
37	5-65		Figure 5-10 gives the impression that a pursuit will always involve an enveloping force. This is certainly the ideal but in many circumstances it will not be possible to produce an envelopment due to ground, time and space and own troops factors and the only forces involved in the pursuit may be direct pressure forces.
38	5-67	8	It should be noted that formation military police do not have tracked transport and therefore would have difficulty in keeping up with mechanized advance guards. It is more likely that reconnaissance units would be employed in this type of traffic control.
39	5-34 to 5-50	512	This entire section on planning the attack is adequate for division level planning but it requires considerable revision to spell out brigade level attack planning. Perhaps the whole section could be split into a general division level portion and a more specific brigade level portion.
40	5-45	512.20.a. (5)	This sub-paragraph on limit of exploitation needs to be expanded in line with the recently approved ADTB doctrine.
41	5-50	514.2	Change "development" to "deployment".
42	5-64		Section 5 on combat service support in the offence should be combined with all other sections on combat service support in the manual and placed in one chapter. This will improve ease of reference and decrease the number of pages.
43	6-1	601.1.a.	Consideration should be given to amending the definition of defence to include some reference to movement as well as to holding ground, since the Canadian concept of defence involves both a ground holding framework and mobility between prepared battle positions. A suggested definition might be "Defence. Those operations undertaken to block the enemy advance or to break his attack by both holding ground and manoeuvring to destroy his combat power. The holding of ground signifies an assigned defensive sector, area or locality depending on the level." In this regard the definition of manoeuvre should also be considered for amendment. The current definition in Annex K to CFP 121(4) rightly includes both movement and fire as components of manoeuvre.

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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
			However, it does not clearly make the point that manoeuvre may accomplish its purposes solely by displaying the potential to fire as a result of movement to the appropriate place at the appropriate time. The current definition may lead the uninitiated to conclude that fire must be in process in order for movement to occur. The addition of the phrase "potential to fire" to the current Annex K definition would alleviate any uncertainty in the definition.
44	6-5	603	This entire paragraph requires re-write to clearly reflect the Canadian position that there is only one form of defence, not "two conceptual forms of defence". It should be pointed out that the Canadian defence concept is a compromise between the traditional area and mobile defence concepts.
45	6-8 and 6-9	606.1.2. et al	In the offence chapter, offence is broken down into stages. Similarly in this paragraph the defensive battle is broken down into stages. It is considered that the use of the word "phase" is more appropriate than the word "stage" and that we should consistently use "phase" throughout the manual.
" 46	6-55	632	It is again pointed out that inserts such as this would be better combined in one chapter on CSS.
47	6-71	647	In relation to the earlier comment on "stages" and "phases" it should be noted that the withdrawal is discussed as taking place in "four general phases". It is again recommended that "phases" be used throughout for all phases and operations of war.
48	8-23	811.5	This paragraph discusses the phases of crossing and breaching operations, whereas in the preceding section in fighting in built-up areas, there is a discussion of the four "stages" of the attack on a built-up area. Once again, a plea for consistency.
49	8-53	815	It is recommended that the earlier College proposal on making a distinction between air mobile operations and helicopter assault operations be re-considered for inclusion in this manual.
50	8-68	819 et al	This whole section on "encircled forces" adds little to what is contained in ATP-35. It is considered the section could be replaced by a simple reference to the appropriate paragraphs in ATP-35.
51	8-75	823.4.c.	Traditionally, the operation of passage of lines was discussed in terms of either forward passage of lines or rearward passage of lines and the doctrine was clear. The addition of the operation known as "Withdrawal Through a Rearward Position" only serves to complicate matters and it is recommended that all references to this operation be deleted. However, the manual must deal with the distinction between a

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
			standard withdrawal operation, a rearward passage of lines, and a disengagement. All current doctrine has failed to come to grips with the nuances which are implicit and explicit in these three types of operations and an attempt must be made to resolve the ambiguities.
52	2-13	3	(1) At CLFCSC we teach that artillery is a combat arm.
53	2-13	6c	(3) Paragraph 6c - I suggest a rewrite to read: "The regiment has communications to the Corps Air Defence Cell, located at Corps Headquarters, who provide coordination, early warning, technical control and intelligence, disseminating these functions from theatre as necessary."
54	2-26	26a	Last sentence badly worded.
55	3-40	2e	Low Level Air Defence Regiment - not "Light".
56	3-C1		I think the cells inside the wire are not right - and not what we teach. I would put ELECTRONIC WARFARE and HELICOPTER SQUADRON OUTSIDE and Commanders PLANS INSIDE.
57	3-D1		A number of spelling/printing errors.
58	4-1	2	Commanders don't normally expect to get intelligence about OWN TROOPS from INTELLIGENCE. Should be ENEMY, TERRAIN and WEATHER.
59	4-2	4	<u>Fourth line.</u> Cross out last word "often".
60	4-4	7k	"tethered and untethered". (spelling)
61	4-5	8f	"cell" (Spelling)
62	4-5	9	Unnecessary to include - especially as it adds almost nothing to Division sources.
63	4-14	2a	<u>Line 3.</u> Insert after "headquarters", "and above".
64	4-17	4(4)	Suggest changing the first two sentences around. Also: I don't believe there is such a thing as a 'deceptor' (line 6). Deceiver may not sound very pleasant but page 264 of the Concise Oxford Dictionary leads me to think that is the correct word.
65	4-42	2c	<u>Line 5.</u> Delete "highly". This refers to the Division LLAD Regiment; and while Blowpipe is perhaps highly decentralized, the other 60% is controlled at Division level by the Division Air Defence Cell.

CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
66	4-44	5a	Add a sentence: "Where Low Level surface-to-air missile area systems are deployed within a Division area of responsibility, however, positive control can be achieved to permit close air support sorties."
67	4-45	5c(2)	<u>Second Sentence</u> . Rewrite: "This will be the status imposed on Divisional Air Defence Weapons during the initial stage of any future conflict."
68	4-45	5e	The word "Corridors" is being superseded by the term "Low Level Transit Routes (LLTR)" in the context.
69	4-45	6a	<u>Third Sentence</u> . This is not correct - think of "In Direct Support" or "at priority call" for instance. Better to say: "The Command terms normally used are 'Under Command' or 'In Location'".
70	5-18	17	The use of the word "priorities" here is misleading. Only the tactical commander can determine priorities at the time. Better to say "on a number of tasks, including:" and add a further sentence at the bottom of the list: "The priorities within such a task list will be determined by the commander, in the light of the tactical situation."
71	5-42	14b	Initial sentence is not true, given the air defence resources in the 1st Canadian Corps. Redraft/delete.
72	6-35	3	Insert at beginning " <u>Control</u> ".
73	6-35	4	Insert at beginning " <u>Deployment</u> ".
74	6-35	5	This needs splitting; I suggest after "headquarters" new paragraph 6 " <u>Tasking</u> ". Renumber "6" to "7".
75	1-15	113.4	The points should be made that movement must be protected by air defence; and that movement in defence must be between prepared positions.
76	1-15	114	This section might be better replaced by the "Principles of War." I have no quarrel with what the author says, but these "principles" are not formalized or taught elsewhere, to my knowledge. Some of the principles of war are included in the author's discussion already.
77	2-11	217.2c	Reconnaissance Regiment - UGS Squadron is not mentioned.
78	2-13	217-6	Definition of "very low" and "low level" would be useful.
			.../8

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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
79	3-5	308.2	Small point - but considering division organization - "in support and under command for movement is a common grouping term, especially for Service Battalion and Field Ambulance - should be included as its procedure is a matter of debate when specified in references.
80	3-5	308.3a and b	"Under command" can apply to units other than those mentioned in "a", eg, engineers, air defence, in the same sense as for combat arms units. The distinction made in these two sub-paragraphs has nothing to do with the definitions of the term "under command". This whole paragraph (308) should conform to CFP 303(2) insofar as definitions are concerned - the advisability of each in particular circumstances should be dealt with separately. In respect of the latter, paragraph 308.9b should emphasize that placing armour "in support" of infantry rather than "under command" does not imply any lesser degree of support, but merely defines administration responsibilities.
81	3-52	337.6d	Statement is made that the "reconnaissance party" is an extension of the "Reconnaissance Group". Not so - the "Reconnaissance party" has specific duties, but <u>not</u> the duty of detailed reconnaissance of tactical positions except in the delaying action or withdrawal.
82	4-1 & 4-2	403	A bit waffly - should start out by specifying that the Commanders responsibility is to trigger the intelligence process by defining the intelligence problem. It is there - but buried in the middle.
83	4-6	406	"Intelligence Zones" - a term not used in our teaching or in CFP 315(2), areas of interest and responsibility are more appropriate.
84	4-143	470	Sector Control Headquarters should be described.
85	6-1	601a	Definition of defence should include reference to offensive action, for example, add after ground: "and using fire and manoeuvre to destroy enemy forces within an assigned area or sector".
86	6-8 & 6-9	606	Reference to the "stages" of the defensive battle should be changed to "phases" throughout the chapter.
87	6-16	611.1	Paragraph states that "three or more prepared alternate battle positions per sub-unit" will be deployed in the main defence area. This is optimistic. Suggest this read "up to three prepared battle positions per sub-unit". A comment could be added to the effect that three positions is considered the practical maximum in most situations. More could be prepared if time permits, less may have to be accepted. It should also be stated that the sub-unit will occupy one of these positions initially.
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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
88	6-16	611.2	After fourth sentence ... "cross it"; insert new sentence. "The nature of the ground, and the cover on the obstacle, may necessitate deployment of a guard by forward units, to cover the obstacle with anti-armour and infantry weapons.
89	6-18	612.5 & 612.2	"Situational" reserves should be defined.
90	6-26	617.5	<u>Vital Ground.</u> In view of the wide and deep frontage envisaged, there may not be a specific ground feature which in itself dominates the sector. In this case, vital ground may be designated as a line beyond which penetration cannot be accepted. This line will be related to the size of enemy penetration which the commander considers he can at least contain, and preferably destroy, with the forces at his disposal, and which could be successfully counter-attacked with the reserve of the next higher formation.
91	6-29	618.4	Line 6 - suggest changing "coordinating points" to "junction points".
92	6-29	618.5	The commander must also consider the provision and location of a reserve for counter-attack, and the probable tasks of and routes required by the counter-attack force.
93	6-31/32	619.7	a. It should be pointed out that protective mine fields around battle positions are selected by the battle group commander, and approved at brigade and division level. b. Reference should be made to the planning of scatterable mine targets, emphasizing that these must be approved and coordinated in the same manner as conventional minefields. Our SOP 119 may be helpful to provide guidance.
94	6-41	627.2	Line one - "predominance".
95	6-52 & 6-53	628	It should be stressed that combat service support units are only capable of self-defence. Combat arms units must be used to maintain surveillance over the rear area and provide a quick reaction capability. Division armoured reconnaissance regiments are well suited to this task, and at brigade level, the reconnaissance squadron can at least provide surveillance. Paragraph 628.5 seems to suggest that there will be times when rear area security is treated as a "special case". I suggest that the threat in general war will always require that a commander take full account of rear area security when making his plans for battle.

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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
96	6-53	629	<u>Rear Area Damage Control.</u> This paragraph sounds as though the problem was a special or specific function - like damage control on a ship. Surely the threat of mass destruction nuclear/chemical/artillery is an ever present factor in general war, and commanders must take account of it in normal planning, - eg, plan, train and assign units to conduct post-strike reconnaissance, plan for casualties evacuation, recover, replacement, etc. These are normal command and control functions, surely the province of a commander not a "damage control officer".
97	6-56	632.4	Brigade Service Battalions should be specifically mentioned.
98	6-56	633.3	First sentence - agreed to a point but DISGP elms are not likely to be able to maintain surveillance over all likely Dropping Zones/Landing Zones in the division rear area.
99	6-58	637.1	The difference between delaying actions and withdrawal should also be pointed out.
100	6-62	639.6	Scatterable mines are particularly useful in the delaying action, and the delaying force should then be given a significant allocation of them.
101	6-62	640.1a	In the section on covering forces, the point was made that the missions of a covering force must be expressed <u>either</u> in terms of a specified time of delay <u>or</u> the degree of casualties or risk which can be accepted. These cannot be combined. For consistency, therefore, recommend that the word "and" in line 2 be changed to "or".
102	6-63	640.3b	In particular, delaying positions should be far enough apart that the enemy must move and deploy his artillery in order to engage the next position in depth.
103	6-66	643.2	Line one - spelling "withdrawal".
104	6-68	644.3a (2)	Agreed - but this must be balanced against security. Briefings must be as late as possible to avoid compromise through capture of PW, etc.
105	6-69	645.1	Terminology - use "covering forces" instead of "covering troops".
106		645.2	The distinction between "covering forces" and "rear-guards" and "flank guards" should be explained. Presumably, "rearguards" are elements tasked by withdrawing units to cover the withdrawal of the main body off the position, and to assist it in making a clean break if withdrawing in contact. Is "flank guard" used in the same sense?

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Serial	Page	Para	Comment
107		645.3	Second sentence. ... "it may be possible and desirable". I suggest that a covering force should always be established unless the withdrawal is taking place well out of any danger of enemy follow up in which case it becomes a retirement.
108		645.4	Third sentence - should engineers be grouped with the rearguard, or with the <u>covering force</u> ? I suggest the latter.
109	6-73	647.8a (2)	Suggest adding after "movement" - "and reserved demolitions".
110	6-75	647.9	"Covering forces" instead of "covering troops".
111	6-76	649.4	After third sentence - suggest adding - "For this reason control of reserved demolitions must be retained by the Commander who has command of <u>all</u> troops on the enemy side of the demolition.
112	6-79	652	It is particularly important that critical defiles, bridges, etc, be well protected by air defence.
113	6-83	Fig 6-1	a. Suggest inclusion of a "line of separation".
114	6-84	Fig 6-2	It would be useful to show "brigade screens" deployed between the line of separation and the FEBA.
115	6A-3	5g	Ok, but it is stated earlier that the next higher commander will often designate vital ground to a subordinate. This should be mentioned to avoid confusion in the mind of the reader. The subordinates' own appreciation should confirm it.
116	7-22	722.2	Last sentence - "little adjustment"... in fact, no adjustment should be necessary if the doctrine has been followed.
117	8-8	804.3	It is important that the defended built-up area be supported by direct and indirect fire from flanking positions, covering the approaches to and route around the built-up area. Otherwise, the enemy will encircle and cut off the defenders in the built-up area.
118	8-31	812.2a	Should read "A screen <u>or guard</u> ." (line 1)
119	8-73 & 8-74	822.4 & Fig 8-4	<u>COORDINATION OF FIRE SUPPORT</u> - There is confusion in both the text and the diagram between NFLs, FSCL and FCL. By definition, the line delineating fire support responsibilities between the converging forces is a <u>FCL</u> . ie, neither force can fire across the line without coordinating with the other force. GEN/24/P paragraph 36 has it right.
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<u>Serial</u>	<u>Page</u>	<u>Item</u>	<u>Comment</u>
120	8-75	823.4	This doesn't sound right. "Relief" implies taking over the responsibilities of the unit in place - Passages of lines do not involve this, in the same sense, and in my mind should be considered separately. The withdrawal through a rear position is a rearward passage of lines. In other words, reliefs and passages of lines should be dealt with separately. It may be useful to deal with relief in place in Chapter 6, as part of defensive operations; the rear passage of lines in conjunction with withdrawal; and the forward passage of lines in offensive operations.
121	8-78	825.8e	It may be worth stating that in the case of units which speak different languages, (or units of another nationality), radio operators of the outgoing unit should remain on the nets of the relieving unit until after the relief is completed. Also, this paragraph should state that relief should be carried out over the shortest time possible.
122	8-78	825.7	An annex showing a suggested composition of reconnaissance and advance parties at brigade level would be useful.
123	8-81	826.4	This should include mention that harbours will have to be designated for use if necessary by the force passing through.
124	2-21	22c(2)(d)	Delete "who will direct the air attack". FAC will not necessarily direct the attack - depends on proximity to FLOT from target, extent of jamming, etc.
125	2-28	27j	Delete "well" in third line. It is understood that MTHs will operate to rear of FEBA. How far to the rear is an operational decision based on situation, urgency, etc.
126	3-31	3d	Change "Battalion Tactical Helicopter Squadron" to read "Brigade LOH Squadron".
127	3-C1	Annex C	"Hel Sqn Tac" should be sited <u>outside</u> the wire compound - remoted to TACP.
128	4-41	440 para 2	Add ATP 27B to documents listed.
129	4-81	Sect 441	This section need reworking. OFFENSIVE AIR SUPPORT OPERATIONS include <u>only</u> close air support, Battle-field Interdiction, Tactical Air Reconnaissance and Tactical Air Transport. Paragraphs on Counter-Air and Interdiction Operations should be deleted.
130	4-83	7a	"Joint Force Operations Centre" to read "Joint Command Operations Centre".
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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
131	4-83	7a(2)	Amend to read "specific allocation by <u>percentage</u> for specific ...". The ACOC should translate the percentage into actual sorties.
132	4-85	7d(4)	Delete "or orbit point". Include hand-over of aircraft to FAC at IP.
133	4-85	7e(4)	Change "to transmission" to "for transmission".
134	4-86	8d	Change "GLSs" and "APLOs" to "GLOs" and "ARLOs".
135	4-87	Fig 4-8	Change "ARLD" to "ARLO". Also the "Legend" doesn't make sense unless in colour - amend. Air Field Command net should also be shown joining ASOC and Air Field.
136	4-96	4c	Delete first paragraph c in its entirety - typographical error.
137	4-98	4f line 13	The LOH squadron does not have second line maintenance. This is done in the Division Wing Maintenance Squadron.
138	6-39	624 1 line 7	Attack helicopters should be placed "in support" - not "at priority call".
139	8-74	Fig 8-4	These diagrams are in error. The FSCL/NFL shown in first diagram is FCL. (Both for link-up and static forces). In second diagram the line separating both forces is FCL. The perimeter line as shown is an NFL. The whole operation may well be conducted between the FEBA and the FSCL.
140	2-29 to 2-34	218	Service battalions support brigades not other battalions. Finance and Records Company is now called Personnel Services Company.
141	3-25	318	Service support unit and sub-unit commanders can act as advisers (as indicated), however, the administration cells at Division and Brigade now have Staff Officers Transportation, Supply and Maintenance.
142	4-119 to 4-126	458 & 460	Transport, Repair and Recovery sections do not appreciate that there is an Supply and Transport Company and a Maintenance Companies in a Brigade Service Battalion. DP terminology is different than taught here at CLFCSC - CSS/4/P - Unit DP (eg, Battle Group requirement) Commodity DP (Ammo DP) and composite DP - (two or more commodities).
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143	5-64 to 5-68	520 - 522	OFFENSIVE OPERATIONS Must be rewritten to reflect that brigade service support comes from a DISGP Brigade Service Battalion affiliated to the brigade and augmented by the DISGP functional units
	6-80	655	DEFENSIVE OPERATIONS transportation, supply, maintenance, battalion and personnel services company depending on the operational grouping of Division Troops and the tactical situation.
144	1-1	101	Add brigade level.
145	1-10	108.2	More detail required or at least a reference to section on nuclear operations.
146	2-2	203.1	Line 11 - delete tank "cannon", insert tank "gun".
147	2-8	214.1	Last line - "with thin population and resources" doesn't add anything - delete.
148	2-11	217.2e	Mention should be made of brigade reconnaissance squadron. Light troops of division reconnaissance should only be attached to brigades if squadrons can't handle tasks. Also mention should be made that tanks from armoured squadron can be sub-allocated to reconnaissance squadrons.
149	3-28	3	This paragraph should now include S03 Maintenance, S03 Transportation, S03 Supply?
150	3-43	332	MANAGEMENT is a poor choice of title, how about HEADQUARTERS ORGANIZATION AND ROUTINE?
151	4-3	404.4	Specific mention should be made of reconnaissance units.
152	4-15	Sect 3	Whole section is too long.
153	4-21	414.2 a(1)	Delete "properly", insert "prematurely".
154	4-30	7a	Line five after sub-units, add "brigade reconnaissance squadrons", ...
155	4-31	9a	There is no helicopter squadron at brigade.
156	4-31	9b	Flight Headquarters in division wing hard to split out, therefore, will not "usually" be at reconnaissance squadron headquarters.
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157	4-32	10	Some mention should be made of defensive operations.
158	4-66	431.3	It must be assumed that Soviet night capability is equal to ours.
159	4-96	b & c	Sub-paragraphs 2 and 3 are repeated.
160	4-98	(3)	"nap" not "map"
161	4-109	3	Collective protectors are also used in Headquarters complexes.
162	2-29	1c	Fifth line - delete "battalion", insert "brigade"
163	2-31	c(2)	See above comment.
164	2-31		Delete Finance and Record, insert Personnel Services Company.
165	2-33	2	Heading should be "Personnel Services Company". First line same amendment.
166	4-122	4	Mention should also be made of composite DPs.
167	4-122	5 a, b, & c	These points should appear in list form.
168	5-14	9	Should be a subparagraph on brigade reconnaissance squadrons.
169	5-43	17.g	Should be deleted.
170	5-51	3a(2)	Lines of attack should read "axis of advance".
171	5-52	3e	Paragraph talks about frontal assaults in lines 5, 6 and 7; should be made clear.
172	5-65	Fig 5-10	Diagram should show Division Reconnaissance out front with brigade squadrons covering brigade axis.
173	6-16	611	Paragraphs in this section talk only about infantry battalions and companies. How about armoured brigade divisions? Should read battle groups/combat teams.
174	6-46	14-16	Should have paragraph title like COUNTER-ATTACK PLANNING.

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175	6-64		General Comment - too much repetition in the "CONDUCTING" sections in each phase of defence.
176	6-65		WITHDRAWAL - Intermediate positions not adequately covered.
177	8-80	826	Passage of lines - not adequately covered.
178	3-31	323.1	Add. In addition the Division Headquarters and Signal Regiment provide a number of Communication Centres (COMCENS), remote from the Headquarters, which provide the facilities to route traffic throughout the battle area.
179	3-34	325	Delete "with only the COMCEN located away". Note: Brigades no longer have COMCENS.
180	3-38	4c	Theystep-up vehicles should not even be in this location. They should be at such a distance that if the main Headquarters is hit the step-up will survive!
181	3-A1	Annex C to Chap 3	Same applies - Step-up vehicles should <u>not</u> be in the Headquarters area.
182	3-C1	"	Same applies.
183	3-41	3c	This whole portion on move of a Headquarters <u>must</u> be reviewed - particularly the employment of step-up. They are advocating a caterpillar type move whereas ATDB are now saying that the step-up and main move to two separate and distinct Headquarters, ie, step-up becomes new Headquarters and old Headquarters then becomes step-up.
184	3-47	335.3	Last sentence - in fact the formation Signal Officer has a third responsibility - that of looking after all the housekeeping aspects and defence of the Headquarters. <u>The Misuse of Signals and Signal</u> Signal is an adjective. we have "Signal Officers", "Signal Regiment" and "Signal Squadron". "Signals" is a noun and stands alone, ie "Signals and Staff". In this section of the book it is wrong on virtually all occasions.
185			The CFP should start with a chapter on the CF objectives. I don't mean to list the roles and tasks as per the 1970 White Paper. It should include the primary mission of the army formations, ie, to win the next war - the type of battlefield we are likely

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			to fight on, ie Europe, Norway, Middle East, etc pre-nuclear and/or nuclear, chemical, who are we going to fight with and finally what type of training should be emphasized in peace time to meet these objectives, in order to be prepared for the next war.
186	1-1	102.2	Pre-nuclear vs conventional. Insert "of operations" between "technique" and "this".
187	1-1	102.3d	Insert "brigade" after division.
188	1-2	103.1	Replace "ability of commanders" by leadership which includes ability, knowledge, etc.
189	1-4	106.6a	Read "seriously".
190	1-6	106.8c	Replace "strength" by "manpower".
191	1-7	107.1	A serious threat exists from attack helicopters.
192	1-7	107.3	Second sentence is badly worded, it should read "However, they retain their capability to"
193	1-7	107.3c	The sub-title should be "Exploitation and Pursuit" as given in AC 71031.
194	1-14	113.2	Add "obstacles" in the first sentence.
195	2-2	202.1	We have already talked about "combat power" in paragraph 103. We should use the same terminology.
196	2-12	217.3	Add subparagraph e. MRL as per SOH.
197	3-11	310.1	There must be a paragraph on provision of liaison officer during the covering force battle and passage of line operation.
198	3-43	332.4	Should read in fifth sentence: with the FSCC/TACP.
199	3-53	338.3a	Read "In his superior's warning order If not, how can he make a time appreciation before receiving the orders which come after in the sequence given in paragraph 1.
200	4-8	Fig 4-2	The brigade zone of 50 km should be indicated.
201	4-38	418.11	It should be mentioned that at the unit level the Commanding Officer may order standing and reconnaissance patrols, but fighting patrols must be approved by brigade/brigade group headquarters.

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<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
202	4-40	419	Our doctrine on REAR AREA security should seriously be looked at from the point of view of command and control. Can the DISGP Headquarters command and control units which could be assigned to the rear area security? Can the SOs divert their effort from the logistic support to concentrate on fighting a battle in the rear, including planning and coordinating? The few paragraphs in the CFP only glance at the problems which could be very serious in the next war.
203	4-65	431.2	Why should the reserves be smaller when defending at night, compared with day? I don't see the logic behind this statement.
204	4-66	432.2	The fatigue factor created by continuously looking through a night sight is real and training will not completely overcome this problem. Physically, a man will not be able to look through a sight for long periods regardless of the amount of training he gets for it. It is humanly impossible to do so. That fatigue factor is much more serious than expressed in the paragraph.
205	4-86	441.8d	Should read "ARLOs".
206	4-87	Fig 4-8	The lines used in the legend to indicate the control links, should be different for each link.
207	4-96	446.4c	Subparagraphs (2) and (3) are a repeat of b.(2) and (3).
208	4-117	456.2	Religion will also be an important factor.
209	GENERAL		Paragraphs should be included on "GENERAL and SPECIALIST TRANSPORT".
210	4-124	459.9	Delete forward BAA and replace by FLG.
211	4-129	462.2	The medical station would be better sited with the A-1 echelon.
212	4-129	463.5	A paragraph on the reinforcement system is required, giving the details on how the reinforcement for the Armour corps functions and reinforcement from theatre and from the medical systems. The paragraph in the CFP is not detailed enough.

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213	5-8	506.1	The last sentence should be reworded to say that the execution of deep penetrations into the enemy's rear will disrupt his reserves and counter-attack forces rendering his defence position untenable. The author has mixed up the enemy defensive operation with his withdrawal operation.
214	5-9	506.4	The last sentence is misleading. The battle groups commander if designated to be the advance guard on one axis, will lead with his vanguard which is normally a combat team. He will only lead with two combat teams if he is told to advance on two axis. This is also shown on Figure 5-2.
215	5-13	506.8 & 9	Both paragraphs should be combined under the term Covering Forces deployed at different levels.
216	5-16	506.14	Replace "bounds" by "harbours".
217	5-18	506.17f	Should read "helicopter operations".
218	5-20	507.2g	Fourth line should read "has been secured".
219	5-24	507.5b	Last sentence should read "attack helicopters".
220	5-26	510.5	It is mentioned that the flanking attack should be the preferred form of manoeuvre at battle group level and it refers to Figure 5-4 which shows a flanking attack at <u>Brigade</u> level. It should show a flanking attack at battle group level.
221	5-31	Fig 5-6	The diagram shows a flanking attack by a division, <u>not</u> an envelopment. Figures 5-4 and 5-6 show the same manoeuvre.
222	5-35	512.2c	He must also select the axis of assault or approaches to the objectives.
223	5-35	512.3	And most important the location of his reserves and counter-attack forces.
224	5-40	512.12	The last sentence should include Oral Orders.
225	5-43	512.16a	Could add the counter-attack force radio net.
226	5-55	514.4d	May add laying of scatterable mines on counter-attack routes.
227	5.57	515.4	Add "tracers" in the first sentence.

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228	5-60	518.1	The movement of refugees toward our lines will also be a sign.
229	5-65	Fig 5-10	The Enveloping Force should be moving towards an objective behind the initial objective. The author does not seem to understand an envelopment.
230	5-67	521	Should include a paragraph on the control of refugees. It may be a serious problem in the advance. Also, the security of our lines of communications will be important. Troops must be assigned to this task.
231	6-3	602.2	The forward forces also participate in a blocking operation. This definition implies that only reserve or depth forces are used.
232	6-11	606.4e	Here the author refers to a "counter-attack by manoeuvre" and in paragraph 602.3a he is using "counter-attack by fire and assault".
233	6-12	607.4	First sentence should read "... from the rear boundary of its <u>forward</u> subordinate units ...".
234	6-14	609.8	The forward divisions must deploy a "guard" if they wish to assist the Corps covering force to make a clean break at the line of separation.
235	6-31	619.5	Replace "defensive" by "tactical" minefields.
236	6-34	621.3	In the last sentence add, after devices, "long range reconnaissance patrols.
237	6-35	622.1	Read "attack helicopters".
238	6-35	622.2	Add. e. nuclear delivery means sites.
239	6-41	627.2	Anti-tank weapons cannot fire on the move. The counter-attacks will be formed of tanks. Anti-tanks weapons should be used in the blocking operation.
240	6-63	640.2	He will also be concerned with keeping in line with flanking delaying forces so that he does not become cut-off. So liaison with flanking formations will be important.
241	6-73	647.8b (1)	Anti-armour weapons should be left last to help the tanks to disengage by their positioning at a stand-off range and taking on the enemy at maximum stand-off range.
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242			There should be a paragraph giving the differences between area of interest, influence and responsibility for the formations from Corps to battalion.
243	8-20	808.6b	Add "mouse holing" in the houses.
244	8-24	811.7d	"What ground on the rear side of the obstacle dominates the obstacle and can be accepted to provide direct fire support during the assault phase"? - This question should be added.
245	8-28	811.14c	Read "Anti-armour".
246	8-36	812.11	If the banks allow it, the assault wave should be in APCs swimming. Why use assault boats when you can get protection from small arms fire in APCs? Assault boats should only be used when APCs cannot be used or when you desire a silent crossing. Throughout this chapter, the author has completely disregarded the possibility of a "silent" crossing of the water obstacles.
247	8-39	812.17	The Bank Group should also be responsible to provide the direct fire support from the home bank to the assaulting force.
248	8-50	813.16b	The movement behind the firing of a Giant Viper is not more dangerous than behind the firing of a Baby Viper. Both will warn the enemy that a breach is being attempted.
249			Once more option is to do a silent breaching by hand and get the infantry on the far side.
250	8-74	Fig 8-4	Replace FSCL by FCL on both diagrams.
251	8-77	825.3	The Warning Order should also specify when the command will pass from the relieved to the incoming formation. It is important that it be known early as it will affect certain aspects of the planning.
252	1-6	8.a	Delete "reforestation"; insert "afforestation". Reforestation pertains to replanting harvested forest and such action does not reduce open space.
253	2-35	3.b	Corps engineer brigade contains no armoured engineers but does contain wheeled field engineer regiments.
254			In several references to engineers the term "combat engineer" is used. The correct term is "field engineer".
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CFP 301(1) Comments

<u>Serial</u>	<u>Page</u>	<u>Para</u>	<u>Comment</u>
255	3D-1		Headquarters divisional engineers is shown at main divisional headquarters. The text is correct in locating headquarters divisional engineers with the divisional engineer support regiment. Suggest that headquarters divisional engineers be deleted and the "CDE" portion of the operations centre be designated "CDE cell".
256	8-42	Fig 8-3	The term "outrigging areas" pertains to pontoon bridges which are no longer in use.
257	8-45	8.b	In last line delete "on landing"; insert "after landing".
258	8-50	7.b and c	Fuel air explosive will breach vehicle lanes.
259	8-34	7.b.1	(c) through (h) should read (2) through (7).
260	8-39 and 8-41	17.f and Fig 8-2	17.f misuses the term "crossing controller". This appointment comes from the assaulting unit. Related to Figure 8-2 if the "entry bank master" controls a site where APC's swim the sub-unit "crossing controller" would co-locate with his whole team at bank group headquarters.

PA

Dmot

MEMORANDUM

2922-B-06-301-001/FP-000
2900-1 (DSRO 2)

// Mar 81

Distribution List

① CFP 301(1) FORMATIONS IN BATTLE
SECOND DRAFT

Refs: A. 2900-1 (D Log Ops 4-2) 27 Jan 81
B. CFP 301(1) Formation in Battle - Second Draft
C. Telecon LCol Marrs/LCol Wilson 6 Mar 81

1. As requested in Reference A, CFP 301(1) has been reviewed in detail. From a supply point of view, this second draft is simply unacceptable and deemed to require a major rewrite.

2. It appears that the author has some very serious misconceptions concerning the replenishment system in the field, the roles and tasks of certain supply installations and units as well as specific definitions to mention but a few. Concepts of operations for replenishment points, supply points, ration points, commodity points are used indiscriminately, at inappropriate levels and based on false principles.

For example:

- a. it is suggested that DPs be coordinated at Division level. It is already difficult enough for service battalions to arrange DPs within a brigade-group without compounding the problem in elevating the coordination at a higher level;
- b. it is also suggested that unit "B" echelon transport draws rations directly from the Supply Battalion. The provision of combat supplies is, of course, the responsibility of the affiliated service battalion. Furthermore, para 459 fails to describe the replenishment system for general stores, technical stores, controlled/rationed stores and replacement of vehicles all of which are mandatory in supporting troops in battle;

14/3
② Dmot 2-2
For info.
M. J. Wilson Col
Dmot 2
13 Mar 81

P/A
M. J. Wilson Col
Dmot 2
17 Mar 81

-2-

2. Cont

- c. the most glaring misconception is perhaps revealed in para 464 which discusses the Administrative Areas in a division and upon which other CSS dissertations are based. In particular, sub-para 2 states: "The location and selection of administrative areas is the responsibility of the division staff." It is very doubtful if a brigade-group commander will ever allow a division staff officer to select a site for his BAA within his boundaries. This function is clearly a brigade responsibility which will never ^{be} relinquished. Further, the Diagrammatic Layout, at figure 4-11, confuses the whole issue by naming the conglomerate of administrative areas "The Division Administrative Area". It is well known that the Division Administrative Area and the Brigade Administrative Areas are neither synonymous nor superimposed upon each other. Although, the brigade service battalions are under the operational control of the Division and more particularly the DISGP, it does not necessarily follow that the administrative area per se are under the same arrangements.

3. The examples cited above are only partial and used to highlight some of the misconceptions enunciated within this document. To provide detail comments as requested in Reference A would essentially constitute rewriting all major portions of the CSS related content, which is not considered to be the intent of Reference A. It is, therefore, recommended that:

- a. the draft be returned to the OPI for further research and redevelopment; or alternatively,
- b. NDHQ doctrine staffs be tasked to rewrite all aspects of this publication relevant to their discipline.

4. The latter course of action is the least desirable and will require a significant staff involvement. However, if deemed necessary, detailed comments could be provided.



R. R. Marrs
LCol
DSRO 2
6-8264

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- Refs: A. 2900-1 (D Log Ops 4-2) 27 Jan 81
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For example:

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- b. it is also suggested that unit "B" echelon transport draws rations directly from the Supply Battalion. The provision of combat supplies is, of course, the responsibility of the affiliated service battalion. Furthermore, para 459 fails to describe the replenishment system for general stores, technical stores, controlled/rationed stores and replacement of vehicles all of which are mandatory in supporting troops in battle;

-2-

2. Cont

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3. The examples cited above are only partial and used to highlight some of the misconceptions enunciated within this document. To provide detail comments as requested in Reference A would essentially constitute rewriting all major portions of the CSS related content, which is not considered to be the intent of Reference A. It is, therefore, recommended that:

- a. the draft be returned to the OPI for further research and redevelopment; or alternatively,
- b. NDHQ doctrine staffs be tasked to rewrite all aspects of this publication relevant to their discipline.

4. The latter course of action is the least desirable and will require a significant staff involvement. However, if deemed necessary, detailed comments could be provided.



R. R. Marrs
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2922-B-06-301-001/FP-001

2910-CFP 301 (DAP)

28 Jan 81

DLCD

DRAFT CFP 301(1)
DAP COMMENTS

Ref: 2910-CFP 301(1) 22 Jan 81

1. As requested at Ref, your document, Formations in Battle, has been reviewed with major attention directed to Chapter 4, Section 8, Cooperation With Air Elements and Chapter 8, Section 4, Airmobile Operations.
2. It is apparent that the revised ATP 27 (b), Offensive Air Support Operations, dated May 1980, has not been reflected accurately in paragraphs 440 to 444. This section should be revised to indicate the current NATO agreed concepts and terminology contained in this new publication. In addition, if NATO documents are to be the prime reference, national acronyms should be avoided. For example, ATOC is an "Allied Tactical Operations Centre" vice the Canadian term "Air Transport Operations Centre" which tends to confuse the discussion on page 4-84. The present status of the NATO ATOC is that it is a tasking agency of or for an ATAF. However, there is presently some controversy over responsibility and authority of an ACOC, Air Command Operations Centre, and an ATOC. It appears an ATOC could either replace or be subordinate to the ACOC.
3. Suggest that sub-para 445, 2. c. be deleted. Sufficient rationalization is contained in the following para 3 to permit deletion of this rather controversial statement. It could be argued, of course, that bombs in-flight are not a significant danger to troops.

ORIGINAL SIGNED BY
R. W. BUSKARD
COL

R.W. Buskard
Col
DAP
2-7053

J.H. Pocklington, LCol/DAP 2/2-2347/gt

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~~2900-1~~ (D Log Ops 4-2)

27 Jan 81

Distribution List

① CFP 301 (1) - FORMATIONS IN BATTLE -
SECOND DRAFT

Refs: A. 2911 - CFP 301 (1) D Log Ops 23 Nov 79
B. CSS Study - Part One

1. Enclosed is the second draft of the subject manual.
2. Detailed comments on the entire text are being provided by CFCSC, CLFCSC and FMC HQs staffs. Although comment is invited on any aspect of the draft you are requested to concentrate on those areas shown at Annex A.
3. Ref A was the D Log Ops comment on the first draft which did not include any of the developments which occurred in Ref B. The second draft should include that information and D Log Ops will be commenting in detail on Chapter 2, Section 4, para 218 which concerns the DISGP.
4. Comments are required by [1 Jun 81]. D Log Ops will consolidate the comments received and forward them to DLCD. Nil returns by 1 Jun will be considered as "No comment". The enclosed draft may be retained.

② NTF

No comments. No reply needed IAW para 4.
P/A.

John P. ...
DMOT 2

4 Feb 81

[Signature]
C.S. Read
Col
D Log Ops
6-0551

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ANNEX A

TO 2900-1 (D Log Ops 4-2)

DATED 27 Jan 81

FORMATIONS IN BATTLE

CSS

<u>Chap</u>	<u>Sect</u>	<u>Article</u>	<u>Subj</u>	<u>Page</u>
2	2	205	Administration	2-3
2	3	218	CSS	2-29
2	3	219	Corps Support	2-35
3	2	309	Adm Relationships	3-8
3	4	316	Adm Branch	3-19
3	4	318	CSS Advisers	3-25
3	5	320	Branches	3-27
3	5	311	Advisers	3-30
3	6	323	Main, Rear, Tac HQ	3-31
4	11	-	CSS	4-117--
4	12	-	Movement	4-135--
4	Figure	4-9	Medevac	4-128
4	Figure	4-10	DAA	4-134
5	5	-	CSS	5-64---
6	4	632	CSS	6-55
6	7	655	CSS	6-80
8	2	809	CSS	8-21
8	6	828	CSS	8-86

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~~2910-CFP-301(1)~~

National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2

22 January 1981

Distribution List

**CFP 301(1) - FORMATIONS IN BATTLE - SECOND
DRAFT**

References: A. NDHQ 2910-CFP 301(1) (DLP 4) of
05 October 1979 (NOTAL)
B. NDHQ 2910-CFP 301(1) (DLCD) of
29 December 1980 (NOTAL)

1. Enclosed is the second draft of the subject manual.
2. The first draft of CFP 301(1) was distributed for comment under cover of the reference. The draft was revised in the light of the comments received.
3. In considering the second draft addressees are asked to note the following:
 - a. Comments on any aspect of doctrine tactics, procedures, organizations or editorial matters are of course welcome from all addressees. However to reduce workload and avoid duplication, the following approach is being followed:
 - (1) The CFCSC, CLFCSC and FMC HQ staffs will review and comment on the entire text in detail.
 - (2) Specialized agencies, (eg, AIRCOM, D Log Ops, DNBCC, DEW) are asked to review and comment in detail on the relevant portions of the text.
 - b. Comments are required by 29 June. Nil returns by that date will be treated as "no comment".

.../2

- 2 -

- c. Comments of formations or units outside of NDHQ should be addressed to FMC HQ (attention: SSO DOC COORD) NDHQ agencies should direct replies to DLCD for consolidation and forwarding to FMC HQ.

for I.C. Douglas
Colonel

Secretary Army Doctrine and Tactics Board
for Chief of the Defence Staff

Enclosure

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L.M. Diebel, Maj/2-8550/jm

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CLFCSC	80 (provided earlier; Ref B refers)

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Canadian Armed Forces
Mobile Command

Forces armées canadiennes
Force mobile



FMC 1150-110/A7 (CD)

Mobile Command Headquarters
St Hubert, Que
J3Y 5T5 NDRMS/SGDON 3-3-2

21 Jan 81 referred to Transm B. DLCD 4

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CFP 301(1) FORMATIONS IN BATTLE REVIEW OF SECOND DRAFT

Jan 26 1981

File No
Dossier No. 2922-B-06-301-001/FP-001

Charged to/Chargé à

1. The first draft of CFP 301(1) was distributed for comment in Oct 79. The manual, and in particular Chapter 6 Defensive Operations, was rewritten and has now been issued in second draft.

2. Action addressees are requested to review in particular pertinent parts of the chapters assigned below:

- a. SSO CD Coord - Chaps 1, 2, 3;
- b. SSO Armd - Chaps 4, 5, 6;
- c. SSO Arty - Chaps 3, 6, 7;
- d. SSO Fd Engr - Chaps 3, 5, 6, 8;
- e. SSO Sigs - Chaps 3, 4;
- f. SSO Inf - Chaps 5, 6, 8;
- g. SSO Cbt Svc Sp - Chaps 4, 5, 6;
- h. SSO Air Plans - Chaps 3, 4, 6, 7, 8;
- j. SSO I&S - Chaps 3, 4, 6;
- k. SO Med O&P - Chap 4; and
- m. SO Stdzn/NBCW - Chaps 4, 7.

② File
Noted.
PA.
S. D. L. L.
Major
A DLCD 4
26 Jan

3. Information addressees are welcome to comment on the manual if they wish.

4. Addressees should note that the keystone manuals (CFP 300, CFP 301(1)) are being reviewed with regard to ATP 35. The rewritten manuals will have all duplications removed, and can be expected to be considerably reduced in size.

.../2

- 2 -

5. Action addressees are to be prepared to discuss this draft at the ADTB Working Group meeting, 14 - 16 Apr 81. Comments available before that time are to be submitted to SSO CD Coord. Queries may be addressed to SO Doc Coord Maj D Noble FMC HQ local 426.

SEE WINDUP/255004

nt 255004?

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I.C. Douglas

I.C. Douglas

Colonel

Secretary

Army Doctrine and Tactics Board

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000237

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MINISTÈRE DE LA DÉFENSE NATIONALE

MINUTE SHEET - NOTE DE SERVICE

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REMARKS - REMARQUES

(To be signed in full showing Appointment, Telephone Number and Date)
(Attaché de signature, fonction, numéro de téléphone et date)


LCOL HUTCHINSON

1. You may be interested in the adventures of "your" book. Attached is the second draft. I think you will find that most of your text has survived more or less intact.

2. For your info Dick Graham retired on 06 Sep and I replaced him. Then on 01 Dec Phil Roy started Russian language trg at the language school in prep for posting to Moscow next summer. As a consequence Dave Colpitts and I sort of have DLP 4 "to ourselves" until July or Aug. We find ourselves rather busy to say the least.

3. We've changed names - we are now DLCD - Land Combat Development.

4. Personal best wishes from both of us for 1981.


L.M. Diebel
Major
DLP DLCD 4

5 Jan 81

2922-B-OG-301-001/FP-001 (DLCD)

National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2

2 January 1981

Distribution List

ADTB WG MEETING 12-14 JANUARY - DISCUSSION
OF CFP 301(1)

References: A. FMC 1150-110/A7 (CD) of 24 November 1980
B. NDHQ 2910-CFP 301(1) (DLCD) of
29 December 1980

1. Reference A is the convening instruction for the January meeting of the ADTB WG. Agenda Item III "Rationalization of Key Manuals" will include discussion of the draft manual CFP 301(1), "Formations in Battle". The Secretary of the ADTB has directed DLCD 4 to initiate this discussion.
2. DLCD's approach to this subject will along the lines of the attached paper. Delegates may wish to review this before the meeting.
3. The second draft of CFP 301(1) was forwarded under cover of Reference B.



L.M. Diebel
Major

Acting Directorate Land Combat Development 4

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MEMORANDUM

2922-B-OG-301-001/FP-001

2 Jan 81

ADTB WG

SECOND DRAFT CFP 301(1)/PREPARATION
OF THE THIRD DRAFT

BACKGROUND

1. CFP 301(1) "FORMATIONS IN BATTLE" was prepared by a contract author working to an agreed writing plan. The first draft of the manual was distributed for comment. The very extensive comments received in response indicated problems not only with details of the draft but fundamentals of its organization and scope.

2. In development of the second draft:

- a. Proposals for minor revision were reviewed and, where these were considered sound, they were referred to the author for appropriate revision of the text.
- b. The chapter on the defence (Chapter 6) was extensively revised by an ad hoc group of the ADTB.
- c. The fundamental problems identified in areas of the draft other than chapter 6, were not addressed. This approach was necessary because:
 - (1) Certain proposals were judgemental. Accepting them would require more authority than DLP 4/DLCD 4 was prepared to exercise.
 - (2) Major revision would have required staff resources not immediately available within DLP.
 - (3) There was a pressing requirement for a second draft manual (admittedly with significant shortcomings) for instructional purposes.

.../2

- 2 -

DISCUSSION

3. The following comments are offered on the second draft:

a. Obvious Shortcoming

(1) Length/Size. Clearly, the sheer mass of the manual is unfortunate. The extent to which it may be possible to reduce this is largely a matter of the role CFP 301(1) is to play (see para 3.b.(1) below). This general situation notwithstanding, the book can be reduced by:

- (a) a deliberate search for remaining "waffle" (eg, Page 4-15, para 411, 2)
- (b) Further reorganization to achieve a more complete point form presentation (eg, Page 5-61, para 6)
- (c) The elimination of some internal overlap.

(2) "Readability"

- (a) Organization of Thoughts. Review is required to ensure that discussions proceeds from the general to the specific (eg, Page 4-35, para 5)
- (b) Sentence structure. Many seriously run-on, confusing sentences remain.
- (c) Para Heading. Wherever possible group or para headings should be used.

(3) Illustrations. The draft should be studied with a view to answering the following questions:

- (a) Are the illustrations individually necessary?
- (b) If necessary, do they adequately illustrate the concept/procedure addressed?

.../3

- 3 -

- (c) Are additional illustrations required?
- (d) How should illustrations be arranged; with relevant text? Should they fold out?

(4) Title.

- (a) This manual has been variously identified as "Formations", "Land Formations", "Army Formations" and "Formations in Battle (Division)"
- (b) The current title "Formations in Battle" is unsatisfactory in that it can be assumed to include air force or navy formations (eg, 1 CAG or 1 Destroyer Sqn)
- (c) It is proposed the name

"The Division and Brigade in Battle"

be adopted. This is consistent with the stated aim of the manual and other important doctrine manuals (eg, "The Armoured Regiment in Battle").

b. Less Obvious Shortcomings

(1) Scope.

- (a) A fundamental question raised during the staffing of the first draft was the depth of coverage of the various subjects. Reviewers alternately complained that the discussion was inadequate or in too much detail.
- (b) These proposals cannot be resolved until the ADTB provides an authoritative statement of the role and readership of the manual.
- (c) As a basis of discussion, it is suggested further revision be conducted within the following guidance:

.../4

- 4 -

"CFP 301(1) should present the tactical doctrine for the conduct of operations at division and brigade group levels. Concepts, organizations and procedures will be addressed in the detail necessary for the training and operational guidance of officers employed in either command or general staff appointments."

- (2) Faulty or Incomplete Doctrine. It must be assumed that shortcomings exist in concepts, discussions and procedures outlined. In other cases important and relevant matters have not been addressed or adequately examined. This problem can be examined by designated staff agencies during the review of the second draft if an appropriate action plan is outlined in the covering letter.
- (3) Overlap. The question of the correct degree of overlap between 301(1) and CFP 300 is generally well understood. At this time, consideration should be delayed until SSO Doctrine's revision of CFP 300 is complete.
- (4) Consonance. There is a paramount requirement that CFP 301(1) be in consonance with ATP 35 and CFP 300. To the writer's knowledge, no deliberate review to confirm this has been conducted. This should be undertaken in the preparation of the third draft.

4. Further Staff Action

- a. Priority. Further staff action must be designed with an agreed attitude toward the urgency which should be attached to development of a final CFP 301(1). Relevant to this question, are the following considerations:
 - (1) The requirements of the CLFCSC and CFCSC for an agreed statement of formation level doctrine and procedures.
 - (2) The requirements of doctrine authors of other manuals for a "cap-stone" manual.


.../5

- 5 -

- (3) The requirements of the Brigades for training or study material.
- (4) The requirements of other schools of instruction, eg, CTC, CFSME, CFSCEE.
- (5) The delay inherent because of the revision of CFP 300.
- (6) The extent to which the second draft meets minimum immediate requirements.

5. Responsible Staff Agency

- (a) DLCD 4 is simply not able to give CFP 301(1) the staff effort necessary for the production of the high quality document required within an acceptable timeframe.
- (b) The development of a third draft may be achieved either by a single agency or by a single agency with periodic (team) assistance from the other agencies represented on the ADTB.
- (c) It is the DLCD 4 proposal that responsibility for authorship of the next draft, the subsequent publication of the manual and its maintenance thereafter, should be shifted to the CLFCSC. (ie, the "split" of key manuals would then be CFP 300 - FMC, 301(2) (Corps) - CLFCSC and 301(1) - CLFCSC).


L.M. Diebel
Maj
A/DLCD 4
2-8550

L.M. Diebel, Maj/2-8550/jm

2922-1500-301/001/11001
~~2910-CFP 301(1)~~ (DLCD) *HL*

National Defence Headquarters
101 Colonel By Drive
Ottawa, Ontario
K1A 0K2

29 December 1980

Distribution List

CFP 301(1) - FORMATIONS
IN BATTLE - SECOND DRAFT

Reference: NDHQ 2910-CFP 301(1) (DLP 4) of
5 October 1979

1. Enclosed is the second draft of the subject manual.
2. The first draft of CFP 301(1) was distributed for comment undercover of the reference. The draft was revised in the light of the comments received.
3. Further staff action regarding this manual will be the subject of discussion during the Army Doctrine and Tactics Board Working Group meeting 12-14 January 1981. Limited distribution is being made at this time to meet staff college requirements and facilitate discussion of the draft during the ADTB WG meeting. Subsequent to that meeting, instructions on the development of proposals for revision will be notified and a much wider distribution of the draft made.

L.M. Diebel Major
for C.H. Belzile
Major-General
Chief Land Doctrine and Operations
and

Chairman Army Doctrine and Tactics Board

L.M. Diebel, Maj/2-8550/jm

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CFSME CHILLIWACK

SUBJ: CHAP 6 TO CFP 301(1) FORMATIONS IN BATTLE

REF: REVISED CHAP 6 DEF OPS TO CFP 301(1) DATED SEP 80

1. REF A CONTAINS SIGNIFICANT REVISIONS AND WILL BE INCLUDED IN REVISED CFP 301(1) WHICH SHOULD BE DISTRIBUTED IN THE NEXT FEW MONTHS
2. IN THE INTERIM, REF HAS BEEN ISSUED AS A STAND-ALONE DOCUMENT AS OFFICIAL DOCTRINE ON DEFENSIVE OPERATIONS. IT IS NOW USED BY CSC TORONTO, CLFCSC KINGSTON AND CTC
3. EFFECTIVE IMMEDIATELY, THE REF IS TO BE USED BY CFSME AS OFFICIAL DEF OPS DOCTRINE FOR BOTH PHASE TRG AND AFOC
4. SO DOC COORD ^{IS} IN REQ TO FORWARD THREE COPIES OF THE REF TO CFSME FOR THEIR USE ASP. CFSME WILL ALSO RECEIVE COPIES OF REVISED CFP 301(1) ONCE IT IS RELEASED

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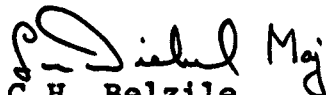
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ADVANCE COPY - CHAPTER SIX (DEFENCE)
CFP 301(1) - FORMATIONS IN BATTLE

Reference: A. FMC 3350-165/R9 TD 7319 (D Comd)
of 07 August (NOTAL)

1. Attached is a revision of Chapter Six of the draft manual "Formations In Battle". The revision was developed by the Working Group of the Army Doctrine and Tactics Board.
2. The revised Chapter Six is distributed in advance of the distribution of the general revision of CFP 301(1) (2nd draft) to permit its use in preparation for and during the FMC EX RITE SIMPLE IX Symposium, 13-14 September (Reference A refers).


for C.H. Belzile
Major-General
Chief Land Doctrine and Operations
and
Chairman Army Doctrine and Tactics Board

L.M. Diebel, Maj/DLP 4-2/2-8550/pm

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16 May 80

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FINAL PAYMENT OF CONTRACT AUTHOR: LCol (Ret) W.E. HUTCHINSON

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References: A. FMC 2910-CFP 301(1) dated 27 Jan 79
B. NDHQ - 5923 - 1000 (DPRC 3) dated 28 Nov 78

1. The second draft of the publication CFP 301(1) Mechanized Formations in Battle, which has been submitted by LCol W.E. Hutchinson is considered to meet the requirements of the approved contract (References A & B).

2. In accordance with the provisions of the contract (Reference A) you are requested to issue a cheque in the amount of \$1,100 which represents the final payment to LCol Hutchinson.

3. LCol Hutchinson's address is:

LCol (Ret) W.E. Hutchinson
1610 Jubilee Ave, Apt 203
Victoria B.C.
V8R 4N8

4. The appropriate FE Code is 0057 AD 160 F 029 AA F1514 04911.
Enclosed are copies of References A and B.

8

I.C. Douglas

I.C. Douglas
Lieutenant-Colonel
Senior Staff Officer CD Coord
for Commander

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0113

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PROPOSED CHANGES TO
CFPs 283, 301(1) AND 303(1)

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- References:
- A. 2910-CFP 301, 303(1), 283 (DLA) 28 Mar 80
 - B. TAG 2910-1 (PLANS) 17 Mar 80
 - C. 2910-CFP 301 (DCOS IPR) 24 Mar 80
 - D. 3189-3-6 (AST) 1 Aug 79 (Air Support Study)

1. Reference A requested that the proposed amendments to CFP 301(1) at reference B be reviewed to take account of specific objections by DLA. These objections have been considered by the appropriate staffs at AIRCOM HQ and HQ 10 TAG who are responsible for formulating air doctrine, and it is our joint view that the objections do not invalidate the Air Command position stated at reference C for the reasons set out below:

- a. Whilst we agree that AH and MTH should be assigned to that formation which can reasonably expect to have a continuous requirement for them, and whilst we acknowledge that reference D states that both corps and division meet this criterion, there are two important reservations which are not developed fully in the Air Support Study. The first is that divisions will not necessarily have a constant requirement for AH and MTH Support, the most obvious example being the situation in which a division is held back as a corps reserve. This reservation does not apply to the corps which will always be able to guarantee effective utilization of AH and MTH support within its area of responsibility. The second point which is not brought out fully in the Air Support study is that, even in the situation in which two or more divisions have a requirement for AH or MTH, the priority for such support may be significantly different between them. Such an imbalance of need may be redressed by employing the corps own AH/MTH reserve, or it may be necessary to transfer some AH/MTH resources from one division to another with higher priority.

.../2

000253

This capability of using scarce resources to best effect in the context of the overall situation is the fundamental reason for exercising operational control at corps level. The important point is that whereas it is relatively easy to transfer control from corp to division level when the situation so dictates, the reverse is not the case when operational control is dedicated to division level, and this may lead, in the worst case, to delays in transferring AH/MTH to the area of greatest need and to less efficient utilization of these resources;

- b. It is difficult to accept the argument at para 2. b. of reference A. The essential requirement for physical security will generally require AH and MTH to be based either in the Divisional Administration or the corps areas with forward arming and refuelling during specific operations. Thus response times and radii of action would be little affected by operational control being exercised by corps rather than by division. Any range and response penalties are insignificant when one considers the corps/division geography and the transit speeds of modern helicopters;
- c. The argument at sub para 2. c. of reference A fails to recognize that in the great majority of cases, operational control of AH/MTH will be delegated by corps to divisions. Thus the requirement for the appropriate control agency at division level is not diminished by retaining overall AH/MTH control at corps. In the same way that the ASOC and TACPs reflect the structure for operational control of fixed wing support, so must a similar control structure be established at all of those levels which will exercise operational or tactical control of rotary wing.

2. We agree with the recommendation at para 5. of reference A. Action has been taken to correct this oversight. (Reference C refers).

3. It should be noted that the doctrine which is promulgated in reference B, has the unanimous support of AIRCOM HQ, 10 TAG and both Staff Colleges. However, although we are not able to depart from the principles outlined in our original submission, the following refinements to reference B are offered in the interests of clarity:

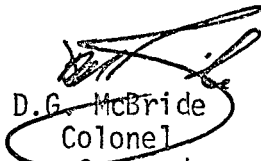
CFP 301 (1)

- (1) Serial 7 para 26 (a) line 2. Delete "in addition and if resources permit", and insert "if the situation dictates";
- (2) Serial 7 para 26 (c). Delete line 1 and insert "The following may be assigned to wing from Group resources but will be integral to the wing if no group organization exists".
- (3) Serial 8 para 3 d (1). Line 3 and serial 33 para 5. e: delete "armed" and insert "attack".

- 3 -

CFP 303 (1)

- (1) Page 5 g 1-1. Delete note 6 and insert "Squadrons may also be assigned to Wings in support of division operations but will be integral to Wing when no Group organization exists. When grouped for operations as shown, TACHQs are provided by Group for COSCOM, MED GP and TN GP, with LOs provided by squadrons to DISGP operations centre as required";
- (2) Page 5 g 1-1. Delete note 7 and insert "Squadrons may also be assigned to Wings in support of division operations but will be integral to Wing when no Group organization exists";
- (3) Page 5 g 2-1. Add the following to note 1: "but will be integral to wing when no corps organization exists".


D.G. McBride
Colonel
for Commander

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