MESSAGE TYPE 3

Subheader   (26 Bits)

(MSB)   (LSB)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

| Type Field | Year Field | Number Field |

	No.	Bits		Definitions
Type Field:	1	0 0 0 0	FCSTDV	Forecast Delta-V
	2	0 0 0 1	FCSTMX	Forecast Maintenance
	3	0 0 1 0	FCSTEXTD	Forecast Extension
	4	0 0 1 1	FCSTSUMM	Forecast Summary
	5	0 1 0 0	FCSTCANC	Forecast Cancelled
	6	0 1 0 1	FCSTRESCD	Forecast Rescheduled
	7	0 1 1 0	UNUSUFN	Unusable Until Further Notice
	8	0 1 1 1	UNUSABLE	Unusable with a Reference NANU
	9	1 0 0 0	UNUNOREF	Unusable with No Reference NANU
	10	1 0 0 1	USABINIT	Initially Usable
	11	1 0 1 0	LEAPSEC	Leap Second
	12	1 0 1 1	GENERAL	General
	(	1 1 0 0 -	Reserved for future use	Not currently defined
		1 1 1 1)		

Year Field: Unsigned binary representation of the year

Number Field: Unsigned binary representation of the NANU number (for the year)
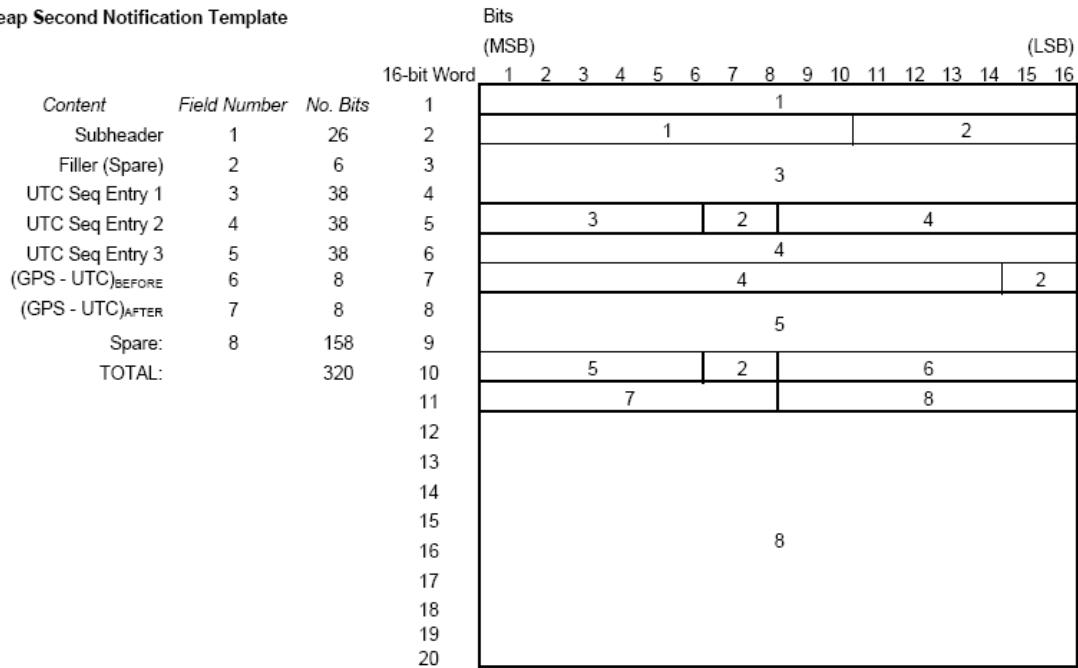
Figure 20-8. Message Type 3 Subheader Definitions

MESSAGE TYPE 3

Forecast Template

Bits

(MSB)   (LSB)

16-bit Word   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Content	Field Number	No. Bits	Word
			1
Subheader	1	26	2
DTG	2	32	3
REF NANU No.	3	22	4
REF NANU DTG	4	32	5
SVN	5	8	6
PRN	6	7	7
Start JDAY	7	9	8
Start Time	8	11	9
Start Calendar Date	9	24	10
Stop JDAY	10	9	11
Stop Time	11	11	12
Stop Calendar Date	12	24	13
Spare:	13	105	14
TOTAL:		320	15
			16
			17
			18
			19
			20
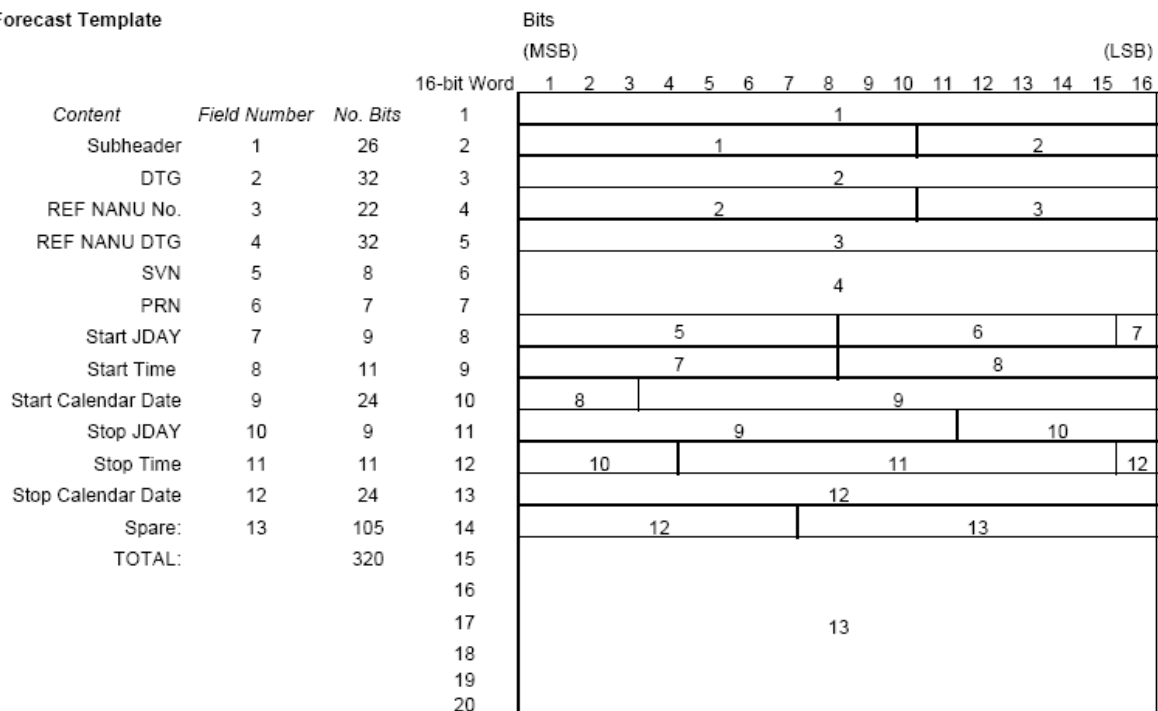
MESSAGE TYPE 3

Leap Second Notification Template

Content	Field Number	No. Bits
Subheader	1	26
Filler (Spare)	2	6
UTC Seq Entry 1	3	38
UTC Seq Entry 2	4	38
UTC Seq Entry 3	5	38
(GPS - UTC)$_{BEFORE}$	6	8
(GPS - UTC)$_{AFTER}$	7	8
Spare:	8	158
TOTAL:		320

Bits

(MSB) ... (LSB)

16-bit Word 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Word	Field
1	1
2	1 ... 2
3	3
4	3
5	3 ... 2 ... 4
6	4
7	4 ... 2
8	5
9	5
10	5 ... 2 ... 6
11	7 ... 8
12–20	8

MESSAGE TYPE 3

General Message Template

Content	Field Number	No. Bits
Subheader	1	26
Filler (Spare)	2	6
Message Block	3	288
		(max)
Filler (as needed)	4	
TOTAL:		320

Bits

(MSB) ... (LSB)

16-bit Word 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Word	Field
1	1
2	1 ... 2
3–18	3
19–20	4 (for illustration purposes only)