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Change Topic: L1C Data Predict Week Number (WNop)

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This change package accommodates the text changes to support the proposed solution (see table below) within the public Signals-in-Space (SiS) documents. All comments must be submitted in Comments Resolution Matrix (CRM) form.

The columns in the WAS/IS table following this page are defined below:

Section Number: This number indicates the location of the text change within the document.

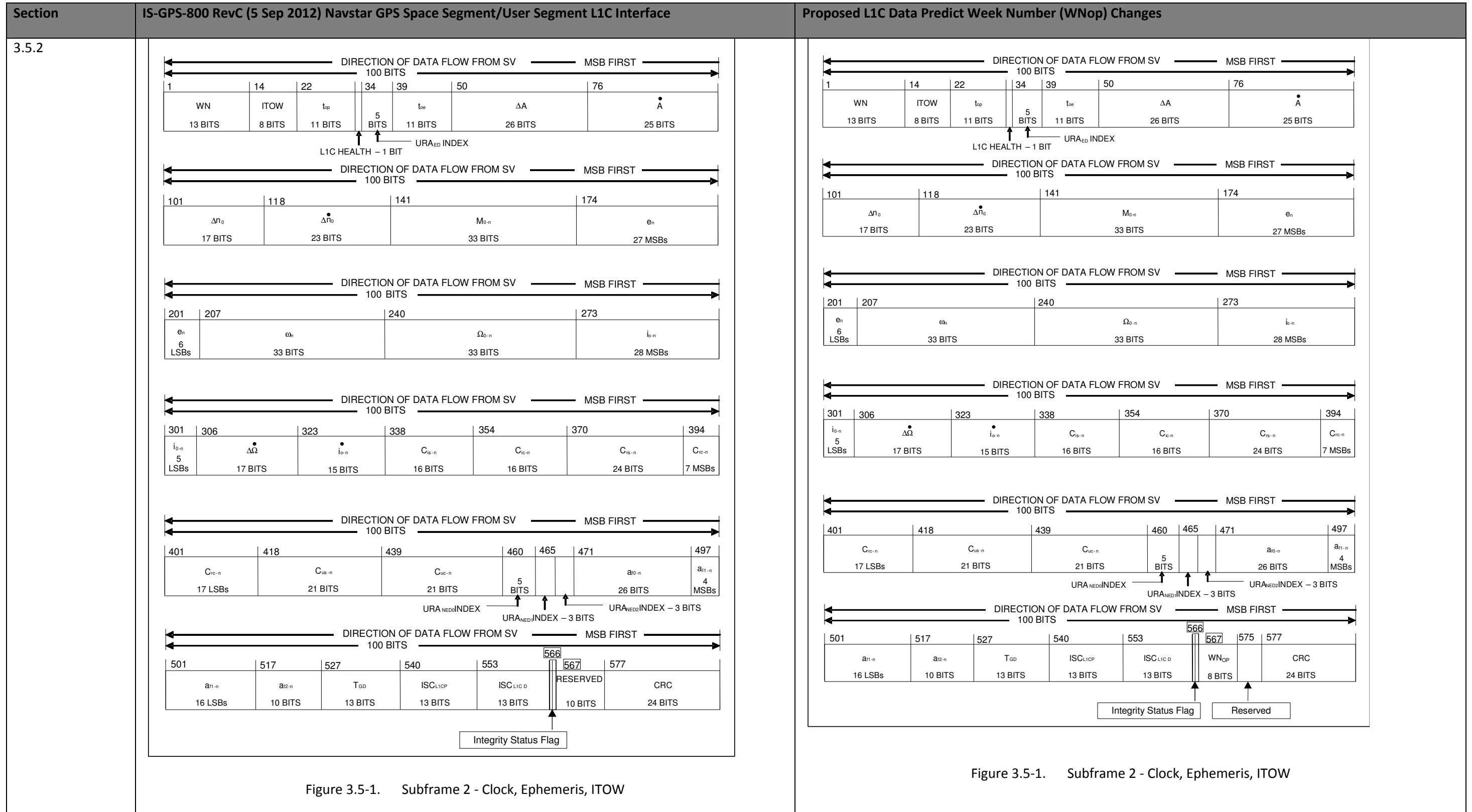
Proposed Heading: Contains existing and/or proposed changes to section titles and/or the titles to new sections

(WAS) <Document Title>: Contains the baseline text of the impacted document.

Proposed Object Text: Contains proposed changes to baseline text.

PROBLEM STATEMENT:
A CNAV-2 ephemeral parameter, the Data Predict Week Number (WN_{OP}), is located in the incorrect subframe. The WN_{OP} parameter should be paired with the Time of Predict (t_{OP}) parameter in the same subframe (or message type) in order for receivers to calculate a viable PNT solution. However, for L1C, WN_{OP} and t_{OP} are located in different subframes; Subframe 2 contains WN_{OP} and Subframe 3 contains t_{OP} . Therefore, L1C receivers cannot calculate a viable PNT solution.
SOLUTION: <i>(Proposed)</i>
Pair the L1C WN_{OP} parameter with the Time of Predict (t_{OP}) parameter in the same subframe.

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Section	IS-GPS-800 RevC (5 Sep 2012) Navstar GPS Space Segment/User Segment L1C Interface	Proposed L1C Data Predict Week Number (WNop) Changes
3.5.2	<p align="center">Figure 3.5-3 Subframe 3, Page 2</p>	<p align="center">Figure 3.5-3 Subframe 3, Page 2</p>

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Section	IS-GPS-800 RevC (5 Sep 2012) Navstar GPS Space Segment/User Segment L1C Interface					Proposed L1C Data Predict Week Number (WNop) Changes						
3.5.3	Table 3.5-1. Subframe 2 Parameters (3 of 3)					Table 3.5-1. Subframe 2 Parameters (3 of 3)						
		Parameter	No. of Bits**	Scale Factor (LSB)	Effective Range***	Units		Parameter	No. of Bits**	Scale Factor (LSB)	Effective Range***	Units
	URANED0 Index	NED Accuracy Index	5*			(see text)	URANED0 Index	NED Accuracy Index	5*			(see text)
	URANED1 Index	NED Accuracy Change Index	3			(see text)	URANED1 Index	NED Accuracy Change Index	3			(see text)
	URANED2 Index	NED Accuracy Change Rate Index	3			(see text)	URANED2 Index	NED Accuracy Change Rate Index	3			(see text)
	a _{f2-n}	SV Clock Drift Rate Correction Coefficient	10*	2 ⁻⁶⁰		sec/sec ²	a _{f2-n}	SV Clock Drift Rate Correction Coefficient	10*	2 ⁻⁶⁰		sec/sec ²
	a _{f1-n}	SV Clock Drift Correction Coefficient	20*	2 ⁻⁴⁸		sec/sec	a _{f1-n}	SV Clock Drift Correction Coefficient	20*	2 ⁻⁴⁸		sec/sec
	a _{f0-n}	SV Clock Bias Correction Coefficient	26*	2 ⁻³⁵		seconds	a _{f0-n}	SV Clock Bias Correction Coefficient	26*	2 ⁻³⁵		seconds
	T _{GD} ****	Inter-Signal Correction for L1 or L2 P(Y)	13*	2 ⁻³⁵		seconds	T _{GD} ****	Inter-Signal Correction for L1 or L2 P(Y)	13*	2 ⁻³⁵		seconds
	ISCLICP****	Inter-Signal Correction for L1C _P	13*	2 ⁻³⁵		seconds	ISCLICP****	Inter-Signal Correction for L1C _P	13*	2 ⁻³⁵		seconds
	ISCLICD****	Inter-Signal Correction for L1C _D	13*	2 ⁻³⁵		seconds	ISCLICD****	Inter-Signal Correction for L1C _D	13*	2 ⁻³⁵		seconds
		Inter-Signal Correction for L1C _D					WN _{OP}	Data Predict Week Number	8	1		weeks
	* Parameters so indicated are in two's complement notation; ** See Figure 3.5-1 for complete bit allocation in Subframe 2; *** Unless otherwise indicated in this column, effective range is the maximum range attainable with indicated bit allocation and scale factor. **** The bit string of "100000000000" will indicate that the group delay value is not available.						* Parameters so indicated are in two's complement notation; ** See Figure 3.5-1 for complete bit allocation in Subframe 2; *** Unless otherwise indicated in this column, effective range is the maximum range attainable with indicated bit allocation and scale factor. **** The bit string of "100000000000" will indicate that the group delay value is not available.					