Change Topic: Public Signals in Space Requirements Disconnects

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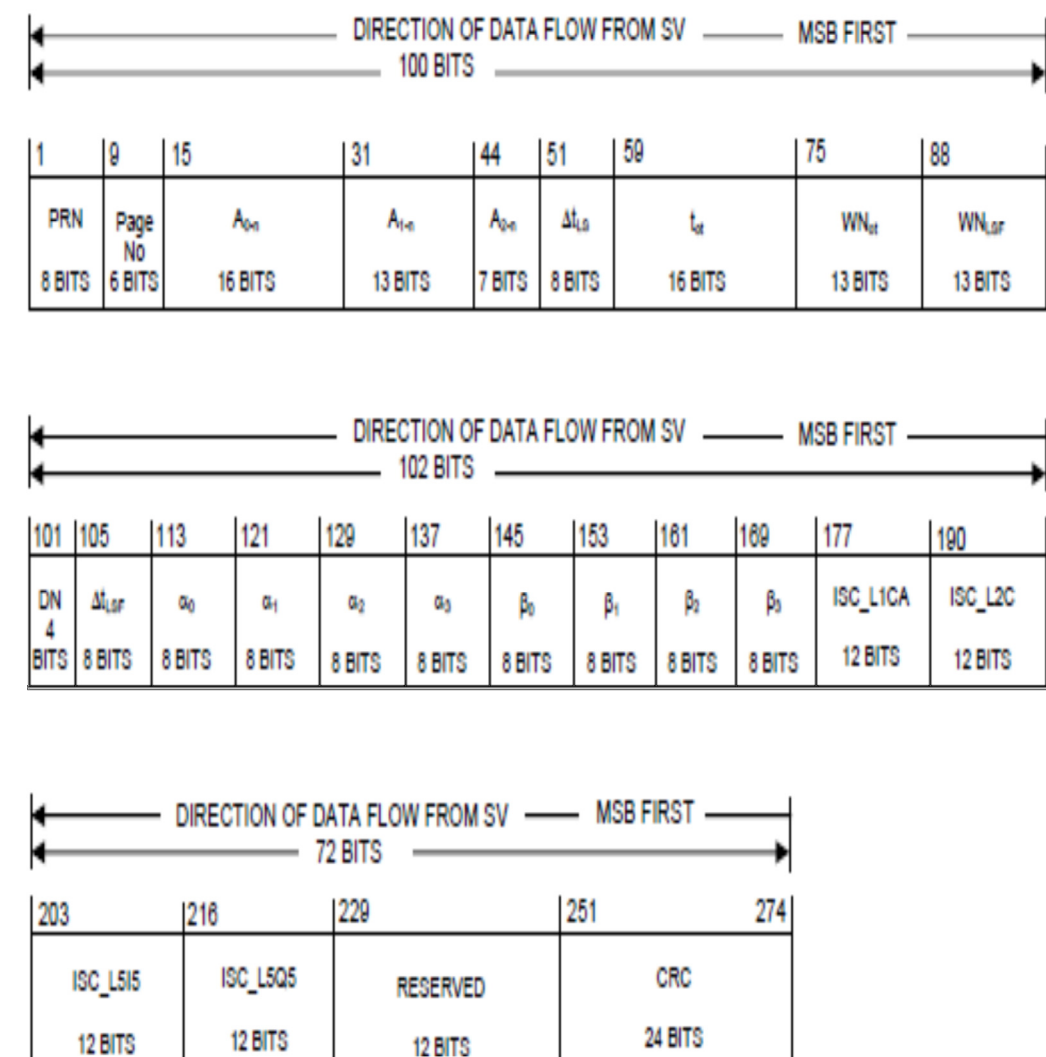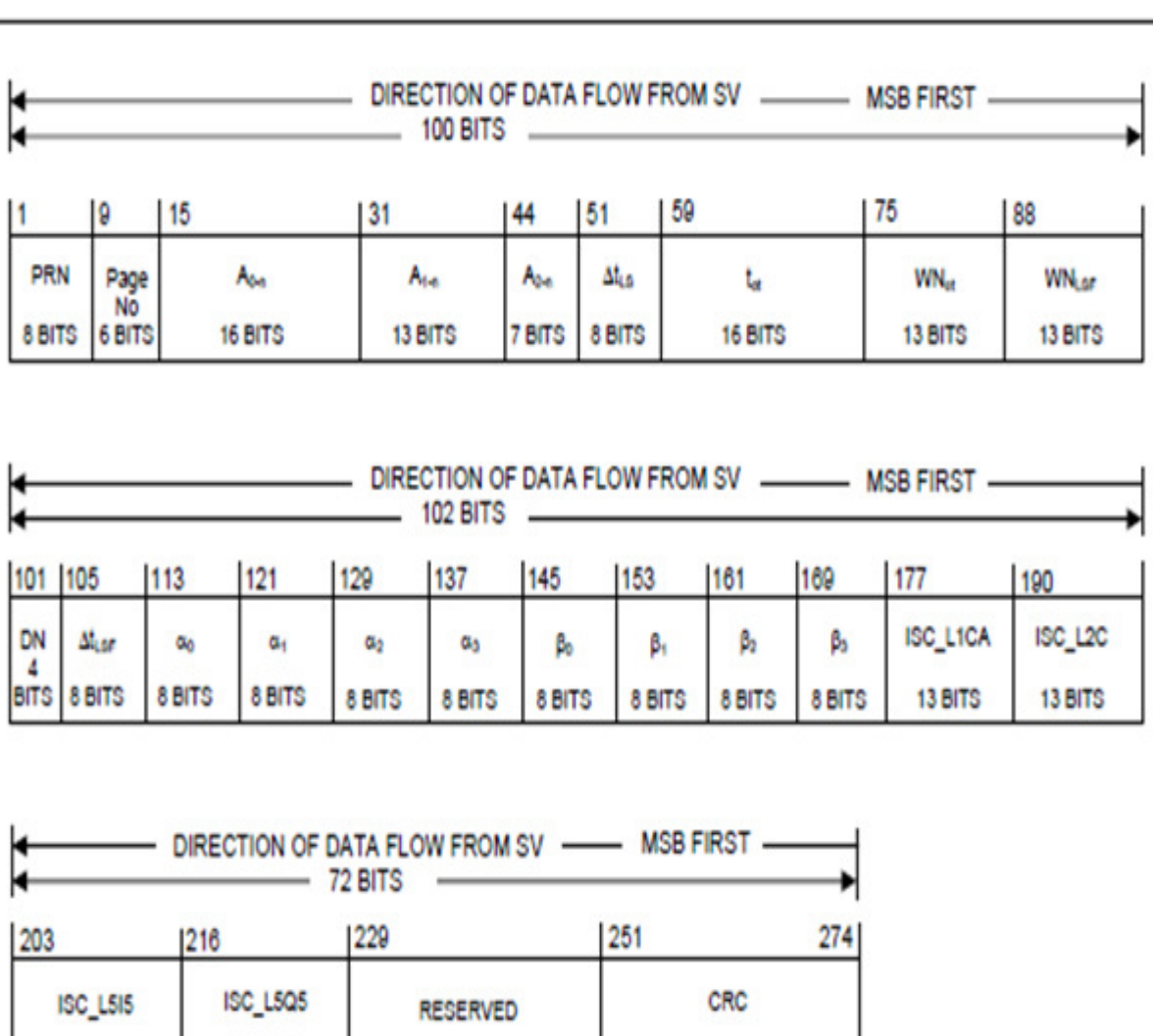
Section Number: This number indicates the location of the text change within the document.

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:
The current public signals in space documents contain incorrect information (L2C message duration, GNSS ID bit assignments), and missing information (L5 ellipticity values). If these disconnects are not resolved, receiver manufacturers will have issues designing to incorrect requirements and the Directorate will be misrepresenting the current and future GPS system performance in a public document.
SOLUTION: *(Proposed)*
Resolve the incorrect (L2C message duration, GNSS ID bit assignments), and missing (L5 ellipticity values) requirements in the public signals in space documents

12 Sep 2013

Section	IS-GPS-800 RevC (5 Sep 2012) Navstar GPS Space Segment/User Segment L1C Interface	Proposed Changes	Rationale
3.5.2	 Figure 3.5-2. Subframe 3, Page 1 - UTC & IONO	 Figure 3.5-2. Subframe 3, Page 1 - UTC & IONO	The number of bits associated with the Inter-Signal Correction Values (ISC) are supposed to be 13 bits long, not 12 as indicated in the bit length. Also, the bit length of the reserved bits in Subframe 3, Page 1 is 22 bits, not 12 bits.

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