Change Topic: PRNs 211-1023 Mission Assignments

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:
Currently, PRNs 211-1023 are not assigned to PNT missions. The impact of not explicitly assigning this PRN range to PNT missions is: 1) Other GNSS systems might assume the USAF will not utilize PRNs 211-1023 for GPS missions since the IS-GPS-200 only lists the sequence of PRNs up to 210 and does not mention or assign PRNs 211-1023 to PNT missions. Therefore, other GNSS systems may request to utilize these PRNs for their missions.
SOLUTION: *(Proposed)*
Reserve PRNs 211-1023 for USAF GPS missions.

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Section	IS-GPS-200 RevG (5 Sep 2012) Navstar GPS Space Segment/Navigation User Interfaces	Proposed Changes	Rationale
6.3.6	The additional PRN sequences provided in this section are for information only. The additional PRN sequences identified in this section are not applicable to GPS SVs. In addition, the current valid ranges for GPS PRN signal number for C/A- and P-code are 1-37 and 38-63 as specified in Table 3-Ia and Table 3-Ib. The PRN sequences provided in this section are for other L1/L2 signal applications, such as Satellite Based Augmentation System (SBAS) satellite signals.	The additional PRN sequences provided in this section are for information only. The additional PRN sequences identified in this section are not applicable to GPS SVs. In addition, the current valid ranges for GPS PRN signal number for C/A- and P-code are 1-37 and 38-63 as specified in Table 3-Ia and Table 3-Ib. The PRN sequences provided in this section are for other L1/L2 signal applications, such as Satellite Based Augmentation System (SBAS) satellite signals. PRN sequences numbered 211-1023 are reserved for internal system use and are therefore not provided in this section.	Other GNSS systems might assume the USAF will not utilize PRNs 211-1023 for GPS missions since the IS-GPS-200 only lists the sequence of PRNs up to 210 and does not mention or assign PRNs 211-1023 to PNT missions. Therefore, other GNSS systems may request to utilize these PRNs for their missions.
6.3.6.1	For GPS application, the CNAV data, $D_c(t)$, will be modulo-2 added to the C/A-code sequences of PRN numbers 38 through 63.	<DELETE>	This requirement should have been deleted with PRN expansion. CNAV data, $D_c(t)$, will not be modulo-2 added to the C/A-code sequences of PRN numbers 38 through 63.

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