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Change Topic: PRNs 211-1023 Mission Assignments

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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.

<i>PROBLEM STATEMENT:</i>
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.
<i>SOLUTION: (Proposed)</i>
Reserve PRNs 211-1023 for USAF GPS missions.

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Section	IS-GPS-800 RevC (5 Sep 2012) Navstar GPS Space Segment/User Segment L1C Interface	Proposed Changes	Rationale
6.3.1	This section provides additional PRN sequences for information only and the additional PRN sequences are for other L1C signal applications, including other GNSS and Satellite Based Augmentation System (SBAS) satellite signals. These PRN sequences are known to have good cross correlation properties relative to PRN sequences 1-63.	This section provides additional PRN sequences for information only and the additional PRN sequences are for other L1C signal applications, including other GNSS and Satellite Based Augmentation System (SBAS) satellite signals. These PRN sequences are known to have good cross correlation properties relative to PRN sequences 1-63. 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