INTERFACE REVISION NOTICE (IRN)

Note: This Summary Signature Page is to be used after all signatories have signed separate Signature Pages.

Affected ICD:
ICD-GPS-240 Rev A

IRN Number
IRN-240A-003

Date:
06-SEP-2017

Authority:
RFC-00352

PIRN Number
PIRN-240A-003

Date:
27-APR-2017

CLASSIFIED BY: N/A
DECLASSIFY ON: N/A

Document Title: NAVSTAR GPS Control Segment to User Support Community Interfaces

Reason For Change (Driver): Clarify SPSPS derived requirements for NANU issuance.

Description of Change: Update IS-GPS-240, Section 10.2 NANU Notification Times, in order to provide clarification of the requirement and to mitigate any potential delays of the SPS PS and PPS PS for NANU issuance.

Prepared By: John Kasper
Checked By: Huey Nguyenhuu

AUTHORIZED SIGNATURES | REPRESENTING | DATE
--- | --- | ---
Melody | GPS Directorate
| Space & Missile Systems Center (SMC) – LAAFB | 8JAN18

See Section XX OR See Next Page | HQ Air Force Space Command (AFSPC/50 OG)

See Section XX OR See Next Page | United States Coast Guard (USCG)
| Navigation Center (NAVCEN)

See Section XX OR See Next Page | Lockheed Martin Corporation (GCS)

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Interface Control Contractor:
Engility (GPS SE&I)
200 N. Sepulveda Blvd., Suite 1800
El Segundo, CA 90245

CODE IDENT 66RP1
INTERFACE REVISION NOTICE (IRN)

Note: Repeat this Signature Page for each document signatory.

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APPROVED:

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50 OG  Adam Edwards  7 DEC 17
Name of Approving Organization  Authorized Signature  Date

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200 N. Sepulveda Blvd., Suite 1800
El Segundo, CA 90245

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With Comments: Yes □ No ☒  
With Exceptions: Yes □ No ☒

**Coast Guard Navigation Center**  
**Name of Approving Organization**  
**Authorized Signature**  
**Date:** 8 Dec 2017

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With Exceptions: Yes ☐ No ☑

[Signature]

1/2/18

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Interface Control Contractor:
TASC (GPS SE&I)
An Engility Company
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El Segundo, CA 90245
CODE IDENT 66RP1
**ICD240-120**:

**Section Number**:
10.2.0-1

**WAS**:
NANU messages announcing scheduled events are normally distributed to the user community prior to the event. NANU messages announcing unscheduled events are normally distributed to the user community as soon as practical after the event. However, mission critical problems have priority over user notification and therefore may delay normal NANU distribution. NANU notification times typically vary by NANU group. Nominal and objective NANU notification times for the four NANU groups are summarized in Table 10-IV.

**Redlines**:
NANU messages announcing scheduled events are normally distributed to the user community prior to the event. NANU messages announcing unscheduled events are normally distributed to the user community as soon as practical after the event. However, mission critical problems have priority over user notification and therefore may delay normal NANU distribution. NANU notification times typically vary by NANU group. Nominal and objective threshold NANU notification times for the four NANU groups are summarized in Table 10-IV.

**IS**:
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---

**ICD240-122**:

**Section Number**:
10.2.0-3

**WAS**:

<table>
<thead>
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<th>NANU Group</th>
<th>Nominal Notification Times</th>
<th>Objective</th>
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<tr>
<td>Scheduled</td>
<td>96 hrs prior to outage start</td>
<td>1 hr after outage start</td>
</tr>
<tr>
<td></td>
<td>7 days prior to outage start</td>
<td></td>
</tr>
<tr>
<td>Unscheduled</td>
<td>Less than 1 hr after outage start</td>
<td>15 minutes after outage start</td>
</tr>
<tr>
<td>General</td>
<td>No Nominal – Timing determined on a case-by-case basis</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>No Nominal – Timing determined on a case-by-case basis</td>
<td></td>
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Redlines:

<table>
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<tr>
<th>NANU Group</th>
<th>Nominal Notification Times</th>
<th>Objective-Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheduled</td>
<td>96 hrs prior to outage start</td>
<td>96 hours prior to outage start</td>
</tr>
<tr>
<td></td>
<td>1 hr after outage start</td>
<td>1 hr after outage start</td>
</tr>
<tr>
<td></td>
<td>7 days NLT 48 hours prior to outage start (see note #1)</td>
<td>15 minutes after outage start</td>
</tr>
<tr>
<td>Unscheduled</td>
<td>Less than 1 hour after outage start</td>
<td>15 minutes after outage start</td>
</tr>
<tr>
<td></td>
<td>NLT 48 hours prior to outage start</td>
<td>Less than 1 hour after outage start</td>
</tr>
<tr>
<td>General</td>
<td>No Nominal - None – Timing determined on a case-by-case basis</td>
<td>None – Timing determined on a case-by-case basis</td>
</tr>
<tr>
<td>Other</td>
<td>No Nominal - None – Timing determined on a case-by-case basis</td>
<td>None – Timing determined on a case-by-case basis</td>
</tr>
</tbody>
</table>

**NOTE 1:** If the need for a planned outage is determined less than 48 hours prior to the start time of the outage, the associated Forecast NANU may will not meet the Scheduled outage Threshold.

IS:

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<tr>
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<th>Nominal Notification Times</th>
<th>Threshold</th>
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<tbody>
<tr>
<td>Scheduled</td>
<td>96 hours prior to outage start</td>
<td>NLT 48 hours prior to outage start (see note #1)</td>
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<tr>
<td>Unscheduled</td>
<td>15 minutes after outage start</td>
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</tr>
<tr>
<td>General</td>
<td>None – Timing determined on a case-by-case basis</td>
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**NOTE 1:** If the need for a planned outage is determined less than 48 hours prior to the start time of the outage, the associated Forecast NANU will not meet the Scheduled outage Threshold.