INTERFACE REVISION NOTICE (IRN)

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

 Affected ICD:
 IRN Number
 Date:

 ICD-GPS-870 Rev B
 IRN-870B-002
 06-SEP-2017

 Authority:
 PIRN Number
 Date:

 RFC-00352
 PIRN-870B-002
 27-APR-2017

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

Document Title: NAVSTAR Next Generation GPS Operational Control Segment (OCX) to User Support Community Interface

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

Description of Change: Update IS-GPS-870, 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 |
|--|---|--------|
| (Claps | GPS Directorate Space & Missile Systems Center (SMC) – LAAFB | 8JAN18 |
| See Section XX <u>OR</u> See Next Page | Department of Homeland Security (DHS), United States Coast Guard (USCG), Navigation Center (NAVCEN) | |
| See Section XX <u>OR</u> See Next Page | Department of Transportation (DOT), Federal Aviation Administration (FAA) | |
| See Section XX OR See Next Page | Raytheon Company | |
| See Section XX <u>OR</u> See Next Page | HQ Air Force Space Command (AFSPC/50 OG) | |

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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) | | | |
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| Authority: RFC-00352 | PIRN Number PIRN-870B-002 | Date: 27-APR-2017 | |
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| Wit | th Exceptions: Yes □ No 🛚 | | |
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| Ha Nguyen Name of Approving Organization | - Yva Nguyen | | 8 Jan 2018 Date |
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| RFC-00352 | PIRN Number PIRN-870B-002 | | Date: 27-APR-2017 |
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| With Comr | ments: Yes 🗆 No 🖃 | | |
| With Excep | otions: Yes No | | |
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| | With Exceptions: Yes □ No 🗸 | | |
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| Name of Approving Organization | Authorized Signature | | Date |
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| | | CODE ID | ENT 66RP1 |

ICD870-139:

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:

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 threshold NANU notification times for the four NANU groups are summarized in Table 10-IV.

ICD870-141:

Section Number:

10.2.0-3

WAS:

| NANU Group | Nominal Notification Times | Objective | |
|-------------|--|-------------------------------|--|
| Scheduled | 48 hrs prior to outage start | 96 hrs prior to outage start | |
| Unscheduled | Less than 1 hr after outage start | 15 minutes after outage start | |
| General | No Nominal – Timing determined on a case-by-case basis | | |
| Other | No Nominal – Timing determined on a case-by-case basis | | |

Redlines:

| NANU Group | Nominal Notification Times | Objective Threshold |
|-------------|---|---|
| Scheduled | 48 hrs prior to outage start Nominally 96 hours prior to outage start | NLT 48 96-hours prior to outage start (see note #1) |
| Unscheduled | Less than 1 hour after outage start 15 minutes after outage start | 15 minutes after outage start Less than 1 hour after outage start |
| General | No Nominal None – Timing determined on a case-by-case basis | |
| Other | No Nominal None – Timing determined on a case-by-case basis | |
| | | |

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:

| NANU Group | Nominal Notification Times | Threshold | |
|-------------|--|--|--|
| Scheduled | 96 hours prior to outage start | NLT 48 hours prior to outage start (see note #1) | |
| Unscheduled | 15 minutes after outage start | Less than 1 hour after outage start | |
| General | None – Timing determined on a case-by-case basis | | |
| Other | None – Timing determined on a case-by-case basis | | |
| | | | |

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.