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| INTERFACE SPECIFICATION | | | |
| UNLESS OTHERWISE SPECIFIED: NUMBERS ARE REPRESENTED IN DECIMAL FORM. | Interface Control Contractor: SAIC (GPS SE&I) 200 N. Pacific Coast Highway, Suite 1800 El Segundo, CA 90245 | | |
| | TITLE: IS-GPS-705 RevJ IRN003 (09 January 2024) Navstar GPS Space Segment/User Segment L5 Interfaces | | |
| THIS DOCUMENT SPECIFIES TECHNICAL REQUIREMENTS AND NOTHING HEREIN CONTAINED SHALL BE DEEMED TO ALTER THE TERMS OF ANY CONTRACT OR PURCHASE ORDER BETWEEN ALL PARTIES AFFECTED | SIZE A | CODE IDENT 66RP1 | DOC NO. IS-GPS-705 |
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REVISION RECORD

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TABLE OF CONTENTS

20.3.3 Message Content..... 1
 20.3.3.10 Message Type 40 Integrity Support Message (ISM) 2
 20.3.3.10.1 Use of GPS ISM Data 2

LIST OF TABLES

None

LIST OF FIGURES

Figure 20-14a. Message Type 40 – Integrity Support Message (ISM)..... 1

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|-----------------|--|--------------------|
| DOORS ID | IS-GPS-705 | Object Type |
| IS705-196 | 20.3.3 Message Content | Header |
| IS705-1606 | <p>* MESSAGE TOW COUNT = 17 MSBs OF ACTUAL TOW COUNT AT START OF NEXT 6-SECOND MESSAGE</p> | Figure |
| IS705-1608 | Figure 20-14a. Message Type 40 – Integrity Support Message (ISM) | Figure Caption |

| DOORS ID | IS-GPS-705 | Object Type |
|------------|---|-------------|
| IS705-1609 | 20.3.3.10 Message Type 40 Integrity Support Message (ISM) | Header |
| IS705-1613 | Message Type 40, as depicted in Figure 20-14a, shall contain the parameters related to GNSS constellation and satellite integrity parameters used for ARAIM algorithms. | Requirement |
| IS705-1614 | <p>The ISM specific parameters and fields are contained in the ISM Packet (reference 30.3.3.10 of IS-GPS-200) whose structure is shown in Figure 30-17 of IS-GPS-200.</p> <p>Users who implement Advanced Receiver Autonomous Integrity Monitoring (ARAIM), may use these parameters for the ARAIM algorithm as referenced in future TSO and MSO.</p> | Info-Only |
| IS705-1745 | 20.3.3.10.1 Use of GPS ISM Data | Header |
| IS705-1746 | To calculate the nominal pseudorange error bias (b_{nom}), see 30.3.3.10.2 of IS-GPS-200. | Requirement |
| IS705-1748 | Where IAURA in that formula is described in sections 20.3.3.1.1, 20.3.3.1.1.4, and 20.3.3.2.4. | Info-Only |