

# Interface Control Document for the Internet Protocol Suite (IPS) Gateway, draft version 3 (June 15, 2018)

## Summary of changes from version 2

Section 1.1 – additional overview text added, minor update to architecture diagram

Section 1.2 – was updated for changes in the document organization (section 3 became the General Requirements section, section 5 is the Interface Characteristics section, section 6 is the Interface Details, and section 7 is now the appendix with Ground Station Requirements).

Section 1.3 / 1.4 – additional acronyms and definitions

Section 2 – minor cleanup

Section 3 – Updated diagrams plus some material from section 5 moved and updated here (the definition of the requirements for IPS aircraft – IPS end system, IPS aircraft – legacy facility, legacy aircraft – IPS facility).

Section 4.2 – additional detail and update of the Orange protocol

Section 5 – new introduction for some material that was in section 3 (IPS protocol stack details), updated diagram showing which portion is encrypted

Section 5.2.4 – updated the post authentication message format

Section 5.3 – minor update of authentication details, update of post authentication message content details

Section 5.3.10 – update of compression

Section 5.7 – update of the IP Lookup Message, additional example

Section 5.8.1 – additional IPv6 addressing information

Section 5.10 – updates to ATNPKT details, specifically for use with AOC & FANS data

Section 6.1 – minor cleanup of diagrams

Section 6.2.1.3 – updated D-Data example

Section 6.3.1.1 – updated D-Data example

Section 6.3.4.2 – updated generating 620 msg example

Sections 6.2, 6.3, 6.4 – minor cleanup and update of diagrams

Section 6.5 – minor text update

General – cleanup of text, updates as a result of feedback received in the comments on version 2 of the ICD.