



**Twenty Fifth Meeting of the  
Informal South Pacific ATS Co-ordinating Group (ISPACG/25)**

**Eighteenth Meeting of the  
FANS Interoperability Team (FIT/18)**

**Honolulu, Hawaii, USA, 22-23 March 2011**

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**Agenda Item 6: Updates to the GOLD**

**GOLD Implementation and Amendments**

**Presented by Federal Aviation Administration**

**SUMMARY**

This paper provides an update on GOLD implementation and amendments and invites the ISPACG to review and comment on the GOLD work program.

**1 INTRODUCTION**

- 1.1 In June 2010, the North Atlantic, Asia, Pacific and part of the African-Indian Ocean Regions adopted the First Edition of the Global Operational Data Link Document (GOLD).
- 1.2 The GOLD now supersedes both the Guidance Material for ATS Data Link Services in North Atlantic Airspace (NAT Data Link GM) and FANS 1/A Operations Manual (FOM).
- 1.3 The GOLD ad-hoc working group agreed to assist the ICAO Planning and Regional Implementation Groups (PIRGs) and the ICAO Secretariat in coordinating amendments to the GOLD among concerned PIRGs until such time that ICAO established a global configuration management process.
- 1.4 This paper provides an update on GOLD implementation and amendments, and invites the ISPACG FIT to review and comment on the GOLD work program.

## 2 DISCUSSION

- 2.1 The GOLD Ad Hoc Working Group will process amendments to the First Edition of the GOLD using processes and forum similar to change processes used prior to the First Edition. For example, the GOLD coordinator will continue to use a master comment matrix to track candidates for proposed amendments. The matrix will be distributed for coordination and comment via email. Teleconferences/WebEx sessions and meetings will be arranged, as needed.
- 2.2 Follow-on work for the GOLD Ad Hoc Working Group includes:
- a) Soliciting proposals for amendments to the GOLD among participating regions and airspace users;
  - b) Coordinating proposed amendments across the regions;
  - c) Providing interpretation and further clarification to GOLD guidelines, as necessary;
  - d) Facilitating implementation of standardized data link operations, post-implementation monitoring, and corrective actions;
  - e) Developing a proposal for ICAO on establishing a global configuration management process for the GOLD.
- 2.3 It is envisaged that a new edition of the GOLD will be issued every two years. Amendments can be accepted as individual packages until such time that a new edition of the GOLD is issued.
- 2.4 In January 2011, the GOLD facilitator solicited proposals for amendments to the GOLD and proposed a GOLD/4 meeting in the August/September timeframe. The results of that solicitation are provided at [Appendix A](#). Generally, participants could support a GOLD/4 meeting in Canada or the U.S. in September 2011.

## 3 ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) Note the information in this paper;
  - b) Review and comment on the GOLD work program provided at [Appendix A](#);
  - c) Tentatively, support a GOLD/4 meeting in September 2011.

### Appendix A. Proposals for GOLD amendments

Legend for Cat Column:

- E Editorial
- R Review
- C Confusing, clarification, erroneous information, inconsistency, or invalid argument
- A Additional material
- S Serious – resolution of comment requires special attention (includes regional difference with potential operational impact)

Legend for Status Column

[TBD]

Comments and contributions received from the following. Initials are used throughout the comment matrix.

| Initials | Surname        | First names | Representation                | eMail                                                                                          |
|----------|----------------|-------------|-------------------------------|------------------------------------------------------------------------------------------------|
| AK       | KREBBER        | Andreas     | DFS                           | <a href="mailto:Andreas.Krebber@dfs.de">Andreas.Krebber@dfs.de</a>                             |
| CCH      | CASSIAU-HAURIE | Christophe  | Airbus                        | <a href="mailto:Christophe.Cassiau-haurie@airbus.com">Christophe.Cassiau-haurie@airbus.com</a> |
| CD       | DALTON         | Chris       | ICAO – ANB, ATM Section       | <a href="mailto:Cdalton@icao.int">Cdalton@icao.int</a>                                         |
| CF       | FALK           | Christine   | FAA – Technical Center        | <a href="mailto:Christine.falk@faa.gov">Christine.falk@faa.gov</a>                             |
| CG       | GALLANT        | Colin       | Co-Chair – AEEC DLUF          | <a href="mailto:colin.a.gallant@ba.com">colin.a.gallant@ba.com</a>                             |
| CH       | HELLING        | Curt        | Delta Air Lines (DAL)         | <a href="mailto:HellingC@aol.com">HellingC@aol.com</a>                                         |
| CR       | ROBERTS        | Craig       | Thales Australia              | <a href="mailto:Craig.Roberts@thalesgroup.com.au">Craig.Roberts@thalesgroup.com.au</a>         |
| EN       | NAHMADOV       | Elkhan      | ICAO – Paris (EUR/NAT Region) | <a href="mailto:enahmadov@paris.icao.int">enahmadov@paris.icao.int</a>                         |
| GS       | Sandell        | Gordon      | Boeing                        | <a href="mailto:gordon.r.sandell@boeing.com">gordon.r.sandell@boeing.com</a>                   |
| JC       | CONDIS         | Jerome      | Airbus                        | <a href="mailto:jerome.condis@airbus.com">jerome.condis@airbus.com</a>                         |
| JC1      | CABRAL         | Jose        | Portugal – NAT CNSG           | <a href="mailto:jcabral@nav.pt">jcabral@nav.pt</a>                                             |

| Initials | Surname          | First names   | Representation                     | eMail                                                                                    |
|----------|------------------|---------------|------------------------------------|------------------------------------------------------------------------------------------|
| JFB      | BOUSQUIE         | Jean-Francois | Airbus                             | <a href="mailto:Jean-francois.Bousquie@airbus.com">Jean-francois.Bousquie@airbus.com</a> |
| JW       | WIESNER          | Janet         | Co-Chair – AEEC DLUF               | <a href="mailto:Janet.Wiesner@coair.com">Janet.Wiesner@coair.com</a>                     |
| ND       | DWYER            | Noel          | NAV CANADA – (New NAT POC)         | <a href="mailto:Noel.Dwyer@navcanada.ca">Noel.Dwyer@navcanada.ca</a>                     |
| PR       | RADFORD          | Paul          | Airways New Zealand – ISPACG POC   | <a href="mailto:Paul.Radford@airways.co.nz">Paul.Radford@airways.co.nz</a>               |
| RS       | STARK            | Rich          | Delta Air Lines (DAL)              | <a href="mailto:naked@mindspring.com">naked@mindspring.com</a>                           |
| SM       | MARAFI           | Sadou         | ICAO – Dakar Regional Office (AFI) | <a href="mailto:SMarafa@dakar.icao.int">SMarafa@dakar.icao.int</a>                       |
| TBD      | BREWER-DOUGHERTY | Theresa       | FAA – Technical Center             | <a href="mailto:Theresa.brewer@faa.gov">Theresa.brewer@faa.gov</a>                       |
| TK       | KRAFT            | Tom           | FAA                                | <a href="mailto:tom.kraft@faa.gov">tom.kraft@faa.gov</a>                                 |
| VA       | ANDRE            | Véronique     | Altran Sud Ouest                   | <a href="mailto:veronique.andre@altran.com">veronique.andre@altran.com</a>               |
| VG       | GERRY            | Vincent       | FAA – New York                     | <a href="mailto:Vincent.Gerry@faa.gov">Vincent.Gerry@faa.gov</a>                         |
| WB       | BRONDSEMA        | Wim           | Eurocontrol                        | <a href="mailto:Willem.BRONDSEMA@eurocontrol.int">Willem.BRONDSEMA@eurocontrol.int</a>   |

| Paragraph reference | Comment Number | Comment Author   | Description of comment and proposed resolution                                                                                                                           | Cat  | Resolution Status                                                                                                                                                         | Status |
|---------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 0_General           | V1-0001        | EN, AK, WB (EUR) | <p><b>Comment:</b> CPDLC in European Region – GOLD adoption</p> <p><b>Suggested Change:</b> Region to review for acceptability and propose amendments, as necessary.</p> | R, A | <p>5-Jan-11-TK – See attached files beginning with &lt;comment number&gt; for status.</p> <p>10-Jan-11-WB - For the 1st GOLD change proposal, as a result of OPLINKP-</p> |        |

| Paragraph reference | Comment Number | Comment Author | Description of comment and proposed resolution                                                                                   | Cat | Resolution Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Status |
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|                     |                |                |                                                                                                                                  |     | <p>task 6 and EANPG52 outcome, a EU small team has been formed to kick-off the review of GOLD-Procs (chapter 4,5) and its merge with the LINK2K+ Oper Guidance material.</p> <p>First mtg is planned on 18th Jan11. Once this work has got more mature at end 1Q11, we'll get in touch with Paul and you in prep of the OPLINKP#2 mtg in May11.</p> <p>12-Feb-11-TK - 25 Nov 2010 – European Air Navigation Planning Group (EANPG) mandated the Programme Coordination Group (COG) to<br/>Address the practical aspects of harmonization of the LINK2000+ Operational Guidance and GOLD documents, establish a mechanism to advance this work, and report to EANPG/53 (Nov 2011)</p> |        |
| 0_General           | V1-0002        | TK (SAM)       | <p><b>Comment:</b> CPDLC/ADS-C in South American Region – GOLD adoption</p> <p><b>Suggested Change:</b> Region to review for</p> | R   | 5-Jan-11-TK – Need to contact Lima office for adoption.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |

| Paragraph reference                                                     | Comment Number | Comment Author      | Description of comment and proposed resolution                                                                                                                                      | Cat | Resolution Status                                                            | Status |
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|                                                                         |                |                     | acceptability and propose amendments, as necessary.                                                                                                                                 |     |                                                                              |        |
| 0_General                                                               | V1-0003        | SM, CD (AFI)        | <b>Comment:</b> CPDLC/ADS-C in African Indian Ocean Region – GOLD adoption<br><br><b>Suggested Change:</b> Region to review for acceptability and propose amendments, as necessary. | R   | 5-Jan-11-TK – See attached files beginning with <comment number> for status. |        |
| 2.2 (?)<br>2.x (new)<br>3.3 (?)<br>3.x (new)<br>4 (?)<br>5 (?)<br>Apx E | V1-0004        | JC1 (NAT, Portugal) | <b>Comment:</b> Oceanic clearance delivery using ACARS ATS or FANS 1/A data link applications<br><br><b>Suggested Change:</b> Consider new material.                                | A   | 5-Jan-11-TK – I recall this came up at NAT CNSG or FIG meeting.              |        |
| 2.2.3.11.2                                                              | V1-0021        | RS, CH (DAL)        | <b>Comment:</b> CDA procedure should be globally standardized.<br><br><b>Suggested Change:</b> Discuss/adopt global standard for CDA .                                              | C   |                                                                              |        |
| 2.2.4.1.4 & 5.1.3.1                                                     | V1-0022        | RS, CH (DAL)        | <b>Comment:</b> Clarification of voice versus CPDLC use<br><br><b>Suggested Change:</b> Discuss/adopt global standard for guidance and procedures.                                  | C   |                                                                              |        |
| 2.2.5.5.1 d)                                                            | V1-0023        | RS, CH (DAL)        | <b>Comment:</b> Clarify that ETA updates will not be sent by aircraft with an ADS-C connection                                                                                      | A   |                                                                              |        |

| Paragraph reference                                          | Comment Number | Comment Author          | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                | Cat | Resolution Status                                                            | Status |
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|                                                              |                |                         | <b>Suggested Change:</b> Add text after semi-colon; flight crews are not required to send revised ETAs.                                                                                                                                                                                                                       |     |                                                                              |        |
| 2.x (new)<br>3.3 (?)<br>3.x (new)<br>4 (?)<br>5 (?)<br>Apx E | V1-0005        | JW, CG<br>(DLUF)        | <b>Comment:</b> Departure clearance and other ACARS ATS applications<br><br><b>Suggested Change:</b> Consider new material.                                                                                                                                                                                                   | A   | 5-Jan-11-TK – I recall this came up at DLUF meeting Feb 2010 in San Diego.   |        |
| 3.1.1.2.b)<br>4.4.1.6<br>5.6.3.4<br>5.6.4<br>Apx E           | V1-0006        | RS, VG<br>(DAL,<br>NAT) | <b>Comment:</b> Clarification on revised estimated time of arrival (ETA)<br><br><b>Suggested Change:</b> Review current language and propose amendments to clarify intent. Attempt to globally harmonize procedures. May also require proposal to amend regional supplementary procedures in the NAT, and possibly elsewhere. | C   | 5-Jan-11-TK – See attached files beginning with <comment number> for status. |        |
| 4, 5                                                         | V1-0007        | RS<br>(DAL)             | <b>Comment:</b> Clarification on use of CPDLC in airspace with VHF coverage<br><br><b>Suggested Change:</b> Clarify. Propose to use CPDLC throughout the flight, where CPDLC has been designated the primary means of communication.                                                                                          | C   | 5-Jan-11-TK – See attached files beginning with <comment number> for status. |        |
| 4, 5, Apx                                                    | V1-0008        | TK                      | <b>Comment:</b> Use of CPDLC to report severe and                                                                                                                                                                                                                                                                             | A   | 5-Jan-11-TK – See attached files                                             |        |

| Paragraph reference                           | Comment Number                                      | Comment Author | Description of comment and proposed resolution                                                                                                                                                                               | Cat | Resolution Status                                                            | Status |
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| A                                             |                                                     | (JCAB)         | moderate turbulence<br><b>Suggested Change:</b> Consider new material.                                                                                                                                                       |     | beginning with <comment number> for status.                                  |        |
| 4, Apx A                                      | V1-0009<br><br>(formerly V50-689, V50-690, V50-691) | ND (NAT)       | <b>Comment:</b> Use of CPDLC for out-of-conformance inquiries and instructions<br><b>Suggested Change:</b> Consider new standardized free text messages in Appendix A and guidance in Chapter 4 on procedures for their use. | A   | 5-Jan-11-TK – See attached files beginning with <comment number> for status. |        |
| 4.2.1.2 a)                                    | V1-0024                                             | RS, CH (DAL)   | <b>Comment:</b> “reasonable time period” not defined.<br><b>Suggested Change:</b> Add (e.g. 10 minutes) for consistency.                                                                                                     | A   |                                                                              |        |
| 4.2.1.6                                       | V1-0043                                             | RS, CH         | <b>Comment:</b> Add new section requiring ATSU's to forward all accepted route change uplinks to AOC.                                                                                                                        | A   |                                                                              |        |
| 4.2.2.2<br>See<br>5.4.2.3<br>also             | V1-0025                                             | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><b>Suggested Change:</b> Insert - <i>Note: A UM3 (ROGER) should be sent in response to DM67k (REVISED ETA)..</i>                                                                  | A   |                                                                              |        |
| 4.2.3.1<br>See<br>existing<br>note &<br>5.3.3 | V1-0026                                             | RS, CH (DAL)   | <b>Comment:</b> Add further caution for issuing conditional vertical clearances because of the inherent risk for misinterpretation/execution..<br><b>Suggested Change:</b> Add - <i>Note – Due to risk</i>                   | A   |                                                                              |        |



| Paragraph reference               | Comment Number | Comment Author              | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cat | Resolution Status                | Status |
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|                                   |                |                             | <i>associated with conditional clearances (i.e., misinterpretation and subsequent improper execution) the controller should keep conditional clearances to a minimum and reduce the time between delivery and required execution as much as possible.</i>                                                                                                                                                                                                                                                                |     |                                  |        |
| 4.4.2.1<br>See<br>5.5.1.2<br>also | V1-0027        | RS, CH<br>(DAL)             | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Insert - <i>Note: In airspace where ADS-C periodic reporting is used, DM67k (REVISED ETA) not required.</i>                                                                                                                                                                                                                                                                                                                                      | A   |                                  |        |
| 4.7.3.1                           | V1-0044        | CR<br>(Thales<br>Australia) | <b>Comment:</b> The purpose of the required coordination may be misunderstood due to the current wording – the use of “they” may be misinterpreted.<br><b>Suggested Change:</b><br>Change the wording as follows:<br><br>4.7.3.1 When an ATSU not having control responsibility for the aircraft receives an indication of an ADS-C emergency, <b>coordination should be initiated to confirm that the controlling authority received the emergency report</b> (see <u>paragraph 3.1.2.3.2</u> for related information). | C   |                                  |        |
| 4.7.5                             | V1-0016        | TK, PR                      | <b>Comment:</b> Guidance on reporting aircraft                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A   | 5-Jan-11-TK – See attached files |        |

| Paragraph reference | Comment Number | Comment Author    | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                                                                                                                                           | Cat | Resolution Status                           | Status |
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| 5.8.4               |                | (ISPACG)          | <p>SATCOM equipment failures and appropriate action for controller in reduced separation environments.</p> <p><b>Suggested Change:</b> Consider procedures for crew to advise ATC that aircraft is no longer eligible for reduced separations when aircraft equipment fails, e.g., SATCOM failure on HF DL aircraft. Consider performance-based approach and language that both crew and controller understand and know how to react to the failure.</p> |     | beginning with <comment number> for status. |        |
| 5 (?)               | V1-0020        | WB (Euro-control) | <p><b>Comment:</b> Dual stack AC implementations allow for seamless transfer btwn ATN and FANS at the boundary of OCR/CONTINENTAL airspace.</p> <p><b>Suggested Change:</b><br/>Text on FC awareness to be developed as part of FC procs? during transfer, e.g.<br/>a) change of latency time;<br/>b) Grey out of msgs on HMI;<br/>c) Change of primary means of comms;<br/>d) Change of Oper timers;</p>                                                | A   |                                             |        |
| 5,2.3.6             | V1-0032        | RS, CH (DAL)      | <p><b>Comment:</b> Grammar.</p> <p><b>Suggested Change:</b> Change (an) prior to “FIR”</p>                                                                                                                                                                                                                                                                                                                                                               | E   |                                             |        |

| Paragraph reference                                   | Comment Number | Comment Author  | Description of comment and proposed resolution                                                                                                                                                                                                                  | Cat | Resolution Status                                                             | Status |
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|                                                       |                |                 | to (a).                                                                                                                                                                                                                                                         |     |                                                                               |        |
| 5.2.1.5<br>Figure 5-1<br>(affects<br>5.2.5.1<br>also) | V1-0028        | RS, CH<br>(DAL) | <b>Comment:</b> En Route Chart example incomplete.<br><br><b>Suggested Change:</b> Modify Figure 5-1 to show examples of ADS ONLY and FIR sectorization. Until enroute charts are updated, complying with 5.2.5.1 will remain impossible (see example attached) | A   | 13-Feb-11-TK – See attached files beginning with <comment number> for status. |        |
| 5.2.1.7                                               | V1-0029        | RS, CH<br>(DAL) | <b>Comment:</b> Additional clarification by adding example message text for LOGON failure. [See 2.2.2.4b) for reference]<br><br><b>Suggested Change:</b> Insert the following after “unsuccessful”, (i.e. a REJECTED message)                                   | C   |                                                                               |        |
| 5.2.1.8                                               | V1-0030        | RS, CH<br>(DAL) | <b>Comment:</b> Clarification of connection type.<br><br><b>Suggested Change:</b> Change first few words of sentence to “Each time a CPDLC connection is established”                                                                                           | C   |                                                                               |        |
| 5.2.2.1<br>Table 5-2                                  | V1-0031        | RS, CH<br>(DAL) | <b>Comment:</b> Information incomplete.<br><br><b>Suggested Change:</b> Add - Reykjavik - No earlier than 15 minutes prior to the FIR boundary and add also to Appendix E, Table E-1, “Data Link Services by FIR”,                                              | A   |                                                                               |        |
| 5.2.3.7                                               | V1-0033        | RS, CH          | <b>Comment:</b> Grammar.                                                                                                                                                                                                                                        | E   |                                                                               |        |

| Paragraph reference | Comment Number | Comment Author | Description of comment and proposed resolution                                                                                                                                                                                                   | Cat | Resolution Status | Status |
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|                     |                | (DAL)          | <b>Suggested Change:</b> Change (comma) prior to “the ATSU” to (semi-colon).                                                                                                                                                                     |     |                   |        |
| 5.2.3.8 b)          | V1-0034        | RS, CH (DAL)   | <b>Comment:</b> Additional clarification and consistency.<br><br><b>Suggested Change:</b> Insert (manual) prior to “logon with the next ATSU”.                                                                                                   | C   |                   |        |
| 5.3.1.2             | V1-0035        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Add - <i>Note: Not all aircraft have CPDLC message printing capability.</i>                                                                                              | A   |                   |        |
| 5.3.1.5             | V1-0036        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Add to Note - (i.e, <i>Cancel/Clear current message to allow display of subsequent message/s.</i> )                                                                      | A   |                   |        |
| 5.3.3.2             | V1-0037        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Add to beginning of first sentence – Although controllers will attempt to minimize the use of conditional clearances and reduce the time between delivery and execution, | A   |                   |        |
| 5.3.5.1             | V1-0038        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Add after last sentence: ATSU's will forward all accepted route change                                                                                                   | A   |                   |        |

| Paragraph reference               | Comment Number | Comment Author | Description of comment and proposed resolution                                                                                                                                                                                                          | Cat | Resolution Status                | Status |
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|                                   |                |                | clearances to AOC so flight planning systems can be update and allow flight crews to uplink current route and wind information directly into the FMS.                                                                                                   |     |                                  |        |
| 5.4.1.5 a)                        | V1-0039        | RS, CH (DAL)   | <b>Comment:</b> “reasonable time period” not defined.<br><br><b>Suggested Change:</b> Add (e.g. 5 minutes) for consistency.                                                                                                                             | A   |                                  |        |
| 5.4.2.3<br>See<br>4.2.2.2<br>also | V1-0040        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Insert - <i>Note: If a free text message REVISED ETA is sent, expect the controller to reply with ROGER.</i>                                                                    | A   |                                  |        |
| 5.5.1.2<br>See<br>4.4.2.1         | V1-0041        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Insert - <i>Note: In airspace where ADS-C periodic reporting is used, revised ETAs are not required.</i>                                                                        | A   |                                  |        |
| 5.6.1.2                           | V1-0042        | RS, CH (DAL)   | <b>Comment:</b> Additional information.<br><br><b>Suggested Change:</b> Insert - <i>Note: Differences in entry format requirements for various aircraft/FMS types underscores the importance for flight crews to use the proper LAT/LON convention.</i> | A   |                                  |        |
| 6                                 | V1-0010        | JC             | <b>Comment:</b> Use of CPDLC for automatic                                                                                                                                                                                                              | A   | 5-Jan-11-TK – See attached files |        |

| Paragraph reference | Comment Number             | Comment Author          | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                                                                                                                                              | Cat | Resolution Status                                                                                                                                                                         | Status |
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|                     |                            | (SC-214, WG-78)         | dependent surveillance – broadcast (ADS-B) in trail procedures (ITP)<br><br><b>Suggested Change:</b> Consider new procedures for Chapter 6.                                                                                                                                                                                                                                                                                                                 |     | beginning with <comment number> for status.<br><br>19-Jan-11-JFB – coordinated with JC. Support proposals                                                                                 |        |
| 6                   | V1-0011                    | ND (NAT)                | <b>Comment:</b> Use of CPDLC for reroutes<br><br><b>Suggested Change:</b> Consider new procedures for Chapter 6.                                                                                                                                                                                                                                                                                                                                            | A   | 5-Jan-11-TK – See attached files beginning with <comment number> for status.                                                                                                              |        |
| Apx A, A.4          | V1-0012 (formerly V50-787) | JC, VA (Airbus, Altran) | <b>Comment:</b> Guidance on pre-formatting standardized free text messages. There is no pre-formatting requirement for Free Text.<br><br><b>Suggested Change:</b><br>It would be highly beneficial to have indication about pre-formatting requirements for Free Text, both for ground systems and for avionics systems.<br>Of course, this should be considered (as for message wording in bold) as a preferred solution to be considered for new systems. | A   | 5-Jan-11-TK – See attached files beginning with <comment number> for status.<br><br>19-Jan-11-JFB – Coordinated with JC+VA. Support their proposals                                       |        |
| Apx D               | V1-0013                    | CF, TBD, PR (US, NZ)    | <b>Comment:</b> Appendix D updates to clarify analysis of outages, notifications, and missing ADS-C reports<br><br><b>Suggested Change:</b> On the PARC CWG forefront, I'd like to suggest we start looking at                                                                                                                                                                                                                                              | C   | 5-Jan-11-TK – Potential for Appendix D guidance material and maybe, Chapter 3, on provisions of communication services, particularly when new system components are added, e.g., Iridium. |        |

| Paragraph reference       | Comment Number | Comment Author        | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                                                                                                                                                | Cat | Resolution Status                                                                                                                                                                       | Status |
|---------------------------|----------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                           |                |                       | guidelines to define notification procedures for outages, degraded performance, and maintenance to include maybe standard on providing notification and integration of end-to-end components, e.g., Iridium, Inmarsat, HFDL, ARINC and SITA networks, etc. I get the Inmarsat ones from ARINC and SITA, but nothing on Iridium. If a go, could probably use some ANSP input, particularly on definitions of different reports and what they should look like. |     |                                                                                                                                                                                         |        |
| Apx D                     | V1-0017        | TK (US)               | <p><b>Comment:</b> As we implement and use reroute message elements, UM79, UM80 and UM83, more frequently, RCP data could potentially become unnecessarily skewed. These messages may take more time to respond, but are not typical of an intervention message.</p> <p><b>Suggested Change:</b> Suggest to revise guidance material in Apx D to remove message elements UM79, UM80 and UM83 from RCP measurements.</p>                                       | C   | 5-Jan-11-TK – This change was proposed in previous discussions, but never incorporated into the guidance material. If agreed, the amendment should be relatively simple to incorporate. |        |
| Apx D, D.3.1.5 (new para) | V1-0019        | CR (Thales Australia) | <p><b>Comment:</b> The CPDLC message use statistics have been a useful resource and were of great interest to the SC214/WG78 sub-group meeting in September. However, the information on collecting the statistics was not carried into the GOLD for the first edition, and the information</p>                                                                                                                                                               | A   |                                                                                                                                                                                         |        |

| Paragraph reference                | Comment Number                | Comment Author          | Description of comment and proposed resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cat | Resolution Status                                                                                                                                      | Status |
|------------------------------------|-------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                                    |                               |                         | <p>is currently only being provided by a single ANSP.</p> <p><b>Suggested Change:</b><br/>Add the information on collecting and providing the data to Appendix D. (CR willing to accept Action Item for first draft of new paragraph, but on leave until beginning of Feb 2011).</p>                                                                                                                                                                                                                  |     |                                                                                                                                                        |        |
| Apx E, E.1<br>Table E-1            | V1-0014<br>(formerly V50-966) | ND<br>(NAT)             | <p><b>Comment:</b> Appendix E updates to include focal points for CTA/FIR, AIDC capability, DARP, and to add new CTA/FIRs as Regions become participants (GOLD editor). Deferred from initial release.</p> <p>Unclear what sort of Point Of Contact is intended in the Region-State Info Form, but there is no equivalent column in table E-1.</p> <p><b>Suggested Change:</b> Include a <u>Problem Reporting</u> Contact column in the table, and identify the requirement likewise in the form.</p> | A   | 5-Jan-11-TK – Open comment on GOLD, First Edition.                                                                                                     |        |
| Apx E, E.1<br>Table E-1<br>6.1.1.2 | V1-0015<br>(formerly V50-598) | JFB,<br>CCH<br>(Airbus) | <p><b>Comment:</b> Deferred from initial release.</p> <p><b>Suggested Change:</b> Table E.1 should contain the AIDC capability. It will help operators to identify areas where they can apply DARP.</p>                                                                                                                                                                                                                                                                                               | A   | <p>5-Jan-11-TK – Open comment on GOLD, First Edition.</p> <p>11-Jan-11-JFB – Suggest that table E1 identifies FIRs where DARP and TA are available</p> |        |



| Paragraph reference | Comment Number | Comment Author | Description of comment and proposed resolution                                                                                                                                                                                                                                                                   | Cat | Resolution Status                   | Status |
|---------------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------|--------|
|                     |                |                | Or for a common understanding, Table E.1 should identified FIRs where DARP and TA are operable.                                                                                                                                                                                                                  |     |                                     |        |
| Apx F               | V1-0018        | GS             | <p><b>Comment:</b> By the way, I believe at least one or two of the Appendix F items (specifics of how airplanes operate) need some minor changes. Hopefully by telling you that, one of us will remember at the appropriate time, and I'll actually get the changes to you!</p> <p><b>Suggested Change:</b></p> | C   | 12-Jan-TK – Included as a reminder. |        |
| Z_Next Comment      | V1-0045        |                | <p><b>Comment:</b></p> <p><b>Suggested Change:</b></p>                                                                                                                                                                                                                                                           |     |                                     |        |

-END-