



WORKING PAPER

**AERONAUTICAL COMMUNICATIONS PANEL (ACP)
NINETEENTH MEETING OF THE WORKING GROUP I**

Bucharest, Romania 28 – 30 May 2012

Agenda Item 3: Review of Action Items and Items for Follow-Up.

ICAO DOC 9896 ed2 VoIP sections update

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SUMMARY

This paper provides updated information on the evolution of the VoIP in ATM standard ED137B and proposes changes to the relevant section of edition 2 of ICAO DOC 9896.

ACTION

The working group I is invited to note the information presented in this paper and to incorporate the proposed changes to edition 2 of ICAO DOC 9896. The action could be addressed by WGI or deferred to WGM if appropriate.

1. INTRODUCTION - BACKGROUND

1.1 WGI #14 meeting in July 2011 supported the publication of edition 2 of ICAO DOC 9896.

1.2 The VoIP standard version which had been referenced in ICAO DOC 9896 ed 2 was ED137A. In February 2012, Eurocae published a new version of the standard called ED137B.

1.3 This paper provides information on the structure of ED137B and makes recommendations for updating the relevant sections of ICAO DOC 9896 edition 2 for alignment.

1.4 Depending on the publication status of ICAO DOC 9896 edition 2, the updates could be addressed by WGI or deferred to WGM if appropriate.

2. ED137B STRUCTURE

2.1 The ED137B - INTEROPERABILITY STANDARDS FOR VOIP ATM COMPONENT is structured as follows:

2.1.1 ED137/1B - VOL1 – Radio, edition January 2012

2.1.2 ED137/2B - VOL 2 – Telephone, edition January 2012

2.1.3 ED137/3B - VOL 3 – European Legacy Telephone Interworking, edition January 2012

2.1.4 ED137/4B - VOL 4 – Recording, edition January 2012

2.1.5 ED137/5B - VOL 5 – Supervision, edition January 2012

2.2 ED137/1B VOL1 – Radio and ED137/2B VOL2 - Telephone now includes the FAA detail recommended changes to ED 137 A which were specified in Part III of ICAO Doc. 9896 under section 7.2

3. PROPOSED CHANGES TO ICAO DOC 9896 ED 2 (REV20, JULY 2011)

3.1 The following changes are proposed for ICAO DOC 9896 Part 1 section 3.0 ATN Applications

“Detailed information for the development and deployment of ATN applications for use in ICAO Regions. Refer to the following sections for the applicable standard.

3.1 Ground applications

Refer to the following sections for detailed specifications for ground applications.

3.1.1 Telephony (VoIP)

Telephony ground applications shall be governed by EUROCAE document **ED-137/2B**, Interoperability Standards for VoIP ATM Components, **VOL 2 – Telephone**, edition **January 2012**.

Note: ED-137B - Interoperability Standards for VoIP ATM Components, edition February 2012 is available on the EUROCAE website at:

<http://www.eurocae.net/>

3.2 Air-Ground Applications

Refer to the following sections for detailed specifications for air-ground applications

3.2.1 Radio

Radio air-ground applications on the ground component shall be governed by EUROCAE document **ED-137/1B**, Interoperability Standards for VoIP ATM Components, **VOL 1 – Radio**, edition **January 2012**.”

Considering paragraph 2.2; above, the following notes in sections 3.1.1. and 3.2.1. : **“FAA VoIP specific requirements had been submitted to EUROCAE WG/67 for consideration to update ED 137A in the next version planned to be published in 2012. FAA detail recommended changes to ED 137 A are specified in Part III of ICAO Doc. 9896 under section 7.2”** are proposed to be removed.

3.2 The following changes are proposed to ICAO DOC 9896 Part 3 section 7.1 EUROCAE SPECIFICATION

“EUROCAE published a series of documents which define the Voice over Internet Protocol specification as related to the foreseen implementation of VoIP ATM services in Europe. These documents are numbered ED 136, ED 137A, ED 138 and consist of:

- ED-136 - VoIP ATM System Operational and Technical Requirements, edition February 2009
- ED-137B - Interoperability Standards for VoIP ATM Components with the following volumes:

ED137/1B - VOL1 – Radio, edition January 2012

ED137/2B - VOL 2 – Telephone, edition January 2012

2012

ED137/3B - VOL 3 – European Legacy Telephone Interworking, edition January

ED137/4B - VOL 4 – Recording, edition January 2012

ED137/5B - VOL 5 – Supervision, edition January 2012

•ED-138 - Network Requirements and Performances for VoIP ATM Systems with the following parts:

ED-138 Part1 – Network Specification, edition February 2009

ED-138 Part 2 – Network Design Guideline, edition February 2009

They are available on the EUROCAE website at:

<http://www.eurocae.net>”

3.3 ICAO DOC 9896 Part 3 **section 7.2** is proposed to be **removed** considering paragraph 2.2 above.

4. **ACTION BY THE MEETING**

4.1 WG I is invited to note the information presented in this paper and to incorporate the proposed changes to edition 2 of ICAO DOC 9896.

4.2 Note: Depending on the publication status of ICAO DOC 9896 edition 2, the action above could be addressed by WGI or deferred to WGM if appropriate.