

**ATSRAC - 2002**

**Task 7 Working Group**

**Report to ATSRAC**

ATSRAC MEETING

Phoenix

April 24, 2002

Co- chairs

A. J. Poole

D. Andersen

# Task 7 Working Group

April 24, 20

- **TASK 7.1:** Establish a Harmonization Working Group (HWG)- **Closed**

Organization	Members
FAA	Brett Portwood (Designated FAA Representative)
INDUSTRY (Boeing)	Don Andersen - (Co-chair, US)Tracey Johnson-resigned Dave Padilla Morris Frimer Frank Wright Ramiro (Ram) T. Esparza II Ross Lloyd
INDUSTRY (Airbus)	Anthony (Tony) John Poole (Co-chair Europe) Phillippe Renhas Dominique Mazzarino
INDUSTRY (Embraer)	Percy Constanti Robert (Bob) W. Sitz (Delta)
AIRLINE COMMUNITY	Dennis Lee (Canadian) Scott Christian (United) Chris Nichols (AirTran) Lukas Zuelling (SR Technics) Elias Cotti (NBAA) Robert (Bob) L. Barnett (Airborne Express)

# Task 7 Working Group

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- ***TASK 7.2: Coordination with other ATSRAC HWGs - Closed***

To ease the coordination process, ATSRAC created an integration team to address this subtask within each of the major tasking statements. The team is comprised of the following primary and backup individuals:

- HWG 6 - Vid Variakojis/Jack Evans
- HWG 7 - Tracey Johnson/Don Andersen
- HWG 8 - Paul Lapwood/Spencer Bennett
- HWG 9 - Randy Boren/Gil Palafox
- Leader - Mike Nancarrow

This integration team process was accepted by ATSRAC in July 2001.

# Task 7 Working Group

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## ***TASK 7.3: Define a Standard Format - Closed (General Consensus)***

- ✧ Process followed
  - ✧ Analysis of the existing available ESWPMs focussing on the different formats
  - ✧ Use of working document ([Appendix 1](#)) to highlight differences between OAMs ESWPMs
  - ✧ The production of ESWPM format ([Appendix 2](#)) with the aim to produce a generic MBI
- ✧ Required a voting process to arrive at the proposed Standard Format (Appendix 2 of the report) but could not obtain full consensus.

# Task 7 Working Group

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- ***TASK 7.3: Define a Standard Format - Closed (General Consensus)***

## Non Consensus Rationale 1

- ✧ The improvements of the ESPM will require the application of AMTOSS task numbering for the current and any future maintenance tasks (the electronic tagging of these tasks)
- ✧ Logical task sequencing is imperative in the efficient construction of an electronic manual.
  - ✧ This will ensure :
    - ✧ Direct and efficient access to these tasks from the AMM e.g MPD wiring inspection tasks.
    - ✧ Automatic selection of these tasks by the end user
- ✧ The existence and the progress of **user friendly** electronic documentation is not considered, this relates directly to human factor considerations. (part of our tasking).
- ✧ The scattering of Maintenance Tasks throughout the ESWPM does not help this process. We need a logical sequencing.

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- **TASK 7.3: Define a Standard Format - Closed (**General Consensus**)**

## Non Consensus Rationale 2

- ✎ No consideration of the indexes of electrical component “Standards”, which is the primary (main) entry point into the ESWPM.
- ✎ No consideration of the front matter pages or the “Introduction”
  - ✎ The Introduction dictates the effectivity of a manual and includes the “How to Use” information.
- ✎ The actual assignment numbering as detailed should be specified by the ATA committee responsible for the specifications covering aircraft maintenance documentation.
- ✎ The proposed numbering Table ([Appendix 4](#)) does not take into consideration, the technical publication philosophy of all OAMs.

# Task 7 Working Group

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- **TASK 7.4: Define a Standard Minimum Content *(General Consensus)***

- ✧ Process followed

- ✧ Analysis of the existing available ESWPMs focussing on the different contents

- ✧ Use of working document ([Appendix 1](#)) to highlight differences between OAMs ESWPMs

- ✧ The production of table 3 with the aim to produce a generic MBI

- ✧ Required a voting process to arrive at the proposed Standard Minimum Content ([Appendix 3](#) of the report) but could not obtain full consensus.

# Task 7 Working Group

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**TASK 7.4:** Define a Minimum Content - Closed (**General Consensus**)

## Non Consensus Rationale

- ✍ The proposed minimum content - Additional detail (Appendix 3) does not reflect the primary structure of the minimum content as required by the initial tasking statement. E.g. the structure of the major topics and sub-topics are not consistent in each group.
- ✍ The proposed assignment or grouping does not take into consideration the technical publication philosophy of all OAMs

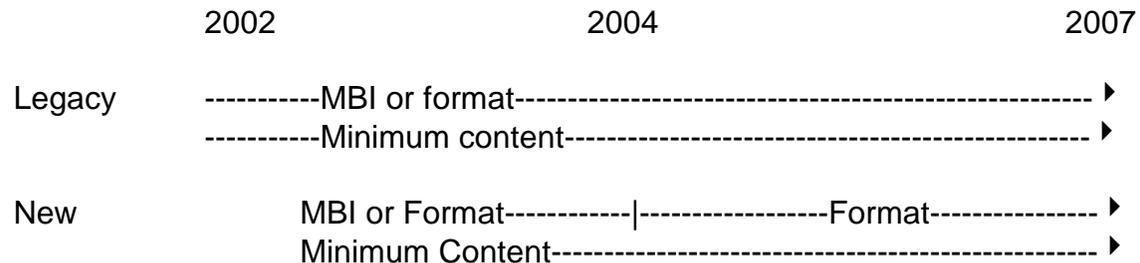
# Task 7 Working Group

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## ***TASK 7.5: Recommend Updates of Existing ESWPMs. (full consensus)***

Use of an MBI can be considered either an interim step until such time as a complete rearrangement of a legacy document can be made to conform to the common format.

- HWG7 recommends **(full consensus)** that legacy documents be updated within two years to include the minimum content as defined in the attachment
- HWG7 is proposing **(full consensus)** that new documents released after two years include the minimum content as defined in the attachment.
- HWG7 further recommends **(full consensus)** that all new ESWPM documents incorporate the recommended common format within five years time.



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## **Summary:**

It was important for HWG 7 to define solutions which, while at the same time satisfying the tasking goal, would take into account :

- ✧ “Usability and readily retrievable” data (tasking statement)
- ✧ “Human factors to be considered” (tasking statement)
- ✧ The technical publication philosophy of all considered OAMs,
- ✧ The cost economics due to an immediate major manual overhaul
- ✧ The disturbance caused to the end-users that have become accustomed to the current format they use.

***The “Denis Lee” proposal ([appendix 5](#)) should be reconsidered as the most acceptable operator (end user). This satisfies the above concerns.***