

**ATNP WG 1 WP \_\_\_\_\_**  
**ATNP WG 2 WP \_\_\_\_\_**  
**ATNP WG 3 WP 9-53**  
**ATNP WG W WP \_\_\_\_\_**

**AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL (ATNP)  
WORKING GROUPS**

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**Reporting of ATN SARPs Validation Status  
Prepared by Ron Jones**

**Summary**

The ATNP WG W is expected to produce a report for the ANC describing the validation status of the ATN SARPs. This working paper proposes an approach to providing a high level summary of the status of the SARPs validation and the technical confidence the working groups have in the SARPs.

**1. Introduction**

The ATNP WG W is expected to produce a report for the ANC describing the validation status of the ATN SARPs. This working paper proposes an approach to providing a high level summary of the status of the SARPs validation and the technical confidence the working groups have in the SARPs.

## 2. Discussion

2.1 Each major of area of the SARPs could be summarized using the following format:

ATN SARPs Functional Area: \_\_\_\_\_

Overall Technical Confidence Level: \_\_\_%

### Validation Means

(check all that apply)

Validation Coverage

<input type="checkbox"/> Interoperability Testing of Independent Implementations conducted by 2 or more states/organizations	_____%
<input type="checkbox"/> Interoperability Testing of Independent Implementations conducted by one state/organization	_____%
<input type="checkbox"/> One Implementation validated by more than one state/organization	_____%
<input type="checkbox"/> One Implementation validated by one state/organization	_____%
<input type="checkbox"/> Partial Implementation validated by one or more states/organizations	_____%
<input type="checkbox"/> Simulation, analysis using modeling tools	_____%
<input type="checkbox"/> Analysis and Inspection	_____%

2.2 The following definitions would be applied for filling out the above from:

a) ATN SARPs Functional Areas would include:

- Core SARPs
- System Level (SV-1)
- CPDLC application
- ADS application
- FIS application
- CM application
- ATSMHS application
- ICC application
- ULCS
- ICS

b) Technical confidence would be express as what percentage of the SARPs would not be expected to change as the ATN progresses to full operational service. For example, a 95% technical confidence level would mean that the working group could not foresee that more than 5% of the SARPs requirements (Shalls) would change in the future due to technical defects that were not uncovered by the validation program that has already been conducted

c) Check each validation means used during the course of the SARPs validation and indicate what percentage of the SARPs (i.e., percent of Shalls) this validation means covered.

### **3. Proposal**

3.1 It is proposed that each ATNP working group provide to the WGW a high level summary, as described above, for each major area of the SARPs for which they are responsible.

3.2 It is proposed that the ATNP WGW incorporate this summary material into it's report to the ANC.