

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

Bordeaux, France

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Proposed CM Guidance Redlines

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SUMMARY

This paper presents redlines to guidance based on the new operational rules dictating the usage of the facility designation field of the logon request parameter.

1. Introduction

This paper provides the redlines to the CM guidance resulting from PDR 98090005.

2. Proposed Redlines

2.1.5.2.4 f)

Change “The facility designation may be provided to identify to a CM server which...” to “If the facility designation is provided, it will identify which...”

2.1.5.2.9

Add between “...0.5 seconds.” and “The logon response contains:”:

If a facility designation was specified in the logon request, then the information returned to the aircraft by the ground system must correspond to that facility. If that facility’s information is not available, then no information is returned to the aircraft.

2.1.5.2.9 b)

Add before the last sentence (“Up to 256 applications can be specified,”):

If the logon response is in reply to a request for a facility other than the one responding, the CM application information of that facility must be included in this field of the logon response.

Add 2.1.5.3.6:

If a ground facility is acting as a CM server, then the update function should not be used by that ground facility. This is because there is no way for the aircraft to correlate the information contained in the update with the intended facility.

Change 2.2.2.9:

...Unless an appropriate level of intelligence is built into the CM server, the only way a CM server can know which facility the aircraft needs to communicate with is by the facility designation field in the logon request. ~~there is no way that the server can know which ground system the aircraft needs to communicate with.~~ ... Therefore, in order to respond with the application information of an appropriate ground system, the CM server must either know the addresses specified by the aircraft or be able to identify from a locally stored flight plan, the flight plan information...

Change 2.2.2.15 2):

...will need to communicate initially with Ground System A (note: the aircraft may also request the information of a particular facility by specifying the facility designation field in the Logon Request parameter).

4. Conclusion

The working group is invited to comment on the proposed guidance redlines.