

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

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Package 2 CM Server Enhancement Redlines

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SUMMARY

This paper presents the redlines to Doc 9705 for the CM server enhancements presented at Honolulu.

1. Introduction

This paper is an expansion of the “CM Server Service in Package 2 Enhancements” paper presented at Honolulu. The concept for these enhancements originated in Bordeaux, was presented in PDR-format at Honolulu, and is now presented in Doc 9705 redlines.

2. Discussion

The server concept is supported here by the addition of two new services: the CM-server-facility-query and CM-server-facility-update services. The names of these services were changed from the names originally proposed in Honolulu to more accurately reflect their function. Additionally, the number of facilities that application information can be requested for has gone up from four to eight.

As a reminder, these services are very similar to the CM-logon and CM-update services. The major difference between the CM-logon and CM-server-facility-query service is that up to eight facility designations can be specifically requested by an aircraft and the application information pertaining to those facility designations can then be supplied by the ground system. Additionally, the CM-server-facility-query service can be used after an initial CM-logon in order to exchange application information and conserve connection time overheads. There is no version number negotiation performed for the CM-server-facility-query service.

The CM-server-facility-update service performs the same function as the CM-update service, only it allows up to eight facilities’ application information to be provided to an aircraft.

3. Conclusion

This paper gives the Doc 9705 amendments to the PDR-style paper as presented in Honolulu. The meeting is invited to comment on the proposed redlines of the CM server concept.