

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

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Package 2 CM Backwards Compatibility Redlines

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SUMMARY

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

1. Introduction

This paper is an expansion of the “CM Package 2 Backwards Compatibility 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 backwards compatibility concept as presented in Bordeaux is to create a new state, called “DEGRADED”, into which a CM-air-ASE will enter upon receipt of a CM-logon response indicating that the CM version numbers are incompatible. The CM-air-user is notified, and must either invoke another CM-logon service or invoke a CM-user-abort to “kill” the still active CM-air-ASE. It was determined that to have the ASE perform this automatically would require much more extensive modification to the protocol, so the user was involved in order to minimize the changes.

By invoking another CM-logon service, the CM-air-user is acknowledging that the CM application cannot invoke any services that are not supported by the earlier-versioned ground system.

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 backwards compatibility concept.