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Minimum Operational Performance Standards (MOPS) for Flight-deck Interval Management (FIM)

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1 PURPOSE AND SCOPE

1.1 Introduction

This document contains the Minimum Operational Performance Standards (MOPS) for Flight-deck Interval Management (FIM), prepared jointly by RTCA Special Committee 4 186 (SC186) and EUROCAE Working Group 51 (WG51). These requirements build on those described in the MOPS for the Aircraft Surveillance Applications (ASA) System, RTCA DO-317C / EUROCAE ED-194B, but are documented separately due to their length and complexity. The requirements in this document are assumed to be integrated in an ASA System that is compliant with all requirements related to the Basic Airborne Situational Awareness (AIRB) application (defined in DO-317C / ED-194B), unless explicitly stated otherwise.

1.2 System Overview

The ASA System provides avionics for processing of surveillance data and display of ADS-B based aircraft-to-aircraft applications. ASA System functions necessary to support or perform the FIM Application were approved by RTCA SC-186 and EUROCAE WG-51, in the ASA MOPS, DO-317C / ED-194B, and in the *Safety, Performance and Interoperability Requirements (SPR) Document for Airborne Spacing - Flight Deck Interval Management (ASPA-FIM)*, [DO-328B / ED-195B].

1.2.1 Aircraft Surveillance Applications

The Aircraft Surveillance Applications are described in the ASA MOPS, DO-317C / ED-194B, §1.2.1.

Figure 1-1 provides an overview of the standard ASA architecture and depicts the Interfaces between functional elements for an ASA aircraft participant.

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