



Certificate No. C – 00014-3

ITSO Certificate of Compliance

To: Rambus Limited
The Torus Building, Rankine Avenue, Scottish Enterprise
Technology Park, East Kilbride, G75 0QF

For: Rambus Lifecycle Manager Personalisation POST (v5.2)

This is to certify that the above product has been tested as required by ITSO for compliance against ITSO TS 1000 Specification Version: 2.1.4 Corrigendum 9

Final Test Report Ref: 6P_000116 Rambus Perso-POST

Dated: 26th April 2018

This product supports the functions: Personalisation POST for Customer Media Devices CMD 2, and CMD7; and communicates within an ITSO environment as listed in Schedule A of this Certificate.

This product may only be used by ITSO Licenced Members complying with the conditions and constraints listed in Schedule B.

Signed for and on behalf of ITSO:

Title: CHIEF EXECUTIVE OFFICER

Dated: 18 JUNE 2018

Certificate Valid until: 17 JUNE 2025



Schedule A

List of all Customer Media, IPE's and functions that were included in the testing procedure.

Certified for: CMD2: Shell and IPE creation
 CMD7: Shell and IPE creation

The IPEs supported are represented by the following table.

IPE	Create	Modify	Accept	Delete
TYP 2 – Stored Travel Rights	✓			
TYP 14 – Entitlement	✓			
TYP 16 – ITSO ID and Entitlement	✓			
TYP 22 FR 1&2	✓			
TYP 23 FR 1&2	✓			
TYP 24 – Journey Ticket with Reservations and Special Restrictions	✓			



Schedule B

List of the conditions and/or constraints applied by ITSO.

- This Perso-POST supports the creation of Shells with a range of Parameter Data Elements as follows:

B to 240
S to 64
E to 20

- This Perso-POST supports the minimal XML tag set only.
- This Perso-POST operates in a controlled environment using a Fargo HDP5000 Card Printer with embedded Omnikey CARDMAN 5x21 Card Reader; therefore it does not support re-presentation of removed Customer Media.
- This Perso-POST does not support:
 - The receipt or generation of Class 2 messages (with the exception of the 0803 POST Information Notification message);
 - Creation of STR IPEs with initial load;
 - Message download requests – the controlling HOPS pushes messages to the POST over HTTPS;
 - The use of the optional *reference* parameter in POST to HOPS message uploads.