

Test Report for IOT between Siemens CMT siriOSS PSA and Huawei Railway Operation Communication Solution

No. HWEBGOPLAB08C130126001

1 Introduction

Huawei railway operation communication solution aims to help worldwide railway customers to realize an advanced, reliable, flexible and sustainable wireless communications (including dispatching, train control and staff communication) network based on GSM-R technology. To enhance railway transport efficiency, by achieving efficient dispatch communication and reliable train control data transmission.

Siemens CMT is the global partner for communication demands within a broad range of market segments. CMT provide innovative products, turnkey solutions, and services in the fields of communication networks, service and customer management, public security, multi-media infotainment, and aerospace technology. CMT and Huawei are partners in the field of railway communication.

The purpose of IOT between Huawei railway operation communication solution and Siemens CMT is mainly verify siriOSS PSA can manage the subscriber data stored in HLR via the provisioning system interface (format SOAP), to realize flexible subscriber management for operation communication service.

The diagram below shows the network configuration that was used to perform the tests during this IOT session.

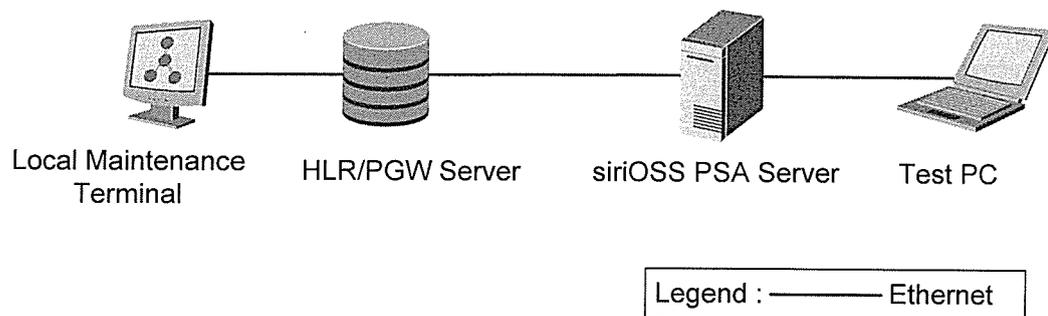


Figure 1: Test Network

2 Abbreviations

CMT	Communication, Media and Technology
GSM-R	GSM - Railway
HLR	Home Location Register

IOT Interoperability Testing
 PGW Provisioning Gateway
 VBS Voice Broadcast Service
 VGCS Voice Group Call Service

3 Network Element Versions

Provider	Network Element	Software Version
Huawei	GU HLR9820	V900R006C005
	Local Maintenance Terminal	—
Siemens CMT	siriOSS PSA-Lite	V7.0
	system simulator / soapUI	V3.5
	SunFire X4170	Red Hat Enterprise Linux 6.3

4 IOT case

Test Name	Test Content	Result
Subscriber Template Test	Add a Subscriber Using Template	PASS
	Query Static Data of a Subscriber	PASS
	Modify the Date of a Subscriber	PASS
	Delete Subscriber	PASS
VGCS Service Test	Modify the VGCS Service Using a Template	PASS
	Modify the VGCS Service	PASS
	Query the VGCS Service	PASS
VBS Service Test	Modify the VBS Service Using a Template	PASS
	Modify the VBS Service	PASS
	Query the VBS Service	PASS
Function Number Test	Modify the Subscriber's Data Remotely	PASS
	Query Subscriber's Data Remotely	PASS
	Modify FM Service Data	PASS
	Query FM Service Data	PASS
	Modify the Data of an Authorized Subscriber	PASS
	Query the Data of an Authorized Subscriber	PASS
	Modify FM Registration Data	PASS
Short Number Test	Create Short Number	PASS
	Modify Short Number	PASS
	Delete Short Number	PASS

5 Test summary

The IOT between Siemens CMT siriOSS and Huawei railway operation communication solution shows that both subsystems interoperate successfully with each other. It means that via the unified user interface, CMT siriOSS PSA and Huawei railway operation communication solution could bring more efficient and flexible experience for railway customers.

6 Appendix

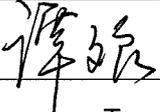
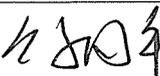
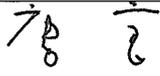
6.1 Signature of test results (Scan file)



Test Plan for IOT
between Siemens C

7 Approval

The Test Report is approved by:

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