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GROUP SPECIFICATION

Context Information Management (CIM); NGSI-LD Interoperability tests specification

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) cross-cutting Context Information Management (CIM).

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Introduction

Several NGSI-LD Context Brokers and related software modules, such as data ingestion, event processing, and visualization, are being developed globally, reflecting the widespread adoption of NGSI-LD standards. With multiple open-source implementations available, establishing comprehensive interoperability test cases is essential to ensure that different brokers, even from various vendors, can operate together seamlessly. While these tests do not directly validate the NGSI-LD specification, these tests may also be used to demonstrate whether the implementations can interoperate effectively and whether the NGSI-LD specification should be revised to avoid ambiguity (if any). The results can be applied in specific scenarios to highlight system compatibility, showcase cross-vendor collaboration, and provide valuable feedback for improving overall implementation quality.

1 Scope

The present document extends the draft interoperability test descriptions agreed with ISG CIM.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

[1] [ETSI GS CIM 009 \(V1.8.1\)](#): "Context Information Management (CIM); NGSI-LD API".

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Not applicable.

3 Definition of terms, symbols and abbreviations

3.1 Terms

Void.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

GS	Group Specification
SUT	System Under Test