INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

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OF ITU

H.248.15
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SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Communication procedures

Gateway control protocol: SDP H.248 package attribute

ITU-T Recommendation H.248.15

ITU-T H-SERIES RECOMMENDATIONS

AUDIOVISUAL AND MULTIMEDIA SYSTEMS

For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation H.248.15

Gateway control protocol: SDP H.248 package attribute

Summary

This Recommendation describes a new SDP attribute that allows for the carriage of properties in the local and remote descriptor in the textual H.248 encoding.

NOTE – This Recommendation has been renumbered. It was formerly known as ITU-T Rec. H.248, Annex N.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

CONTENTS

ITU-T Recommendation H.248.15

Gateway control protocol: SDP H.248 package attribute

1   Scope

This Recommendation is part of the Gateway Control Protocol family of Recommendations and extends the basic functionality in ITU-T Rec. H.248.1. This Recommendation describes a new SDP attribute that allows for the carriage of properties in the local and remote descriptor in the textual H.248 encoding.

2   References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

–   ITU-T Recommendation H.248.1 (2002), *Gateway Control Protocol*.

–   IETF RFC 2327 (1998), *SDP: Session Description Protocol*.

3   Definitions

See ITU-T Rec. H.248.1.

4   Abbreviation

This Recommendation uses the following abbreviation:

SDP   Session Description Protocol

5   Package Attribute

The textual encoding of H.248.1 uses SDP (as per IETF RFC 2327) to describe the characteristics of media. SDP value attributes provide a means extend SDP. To enable the carriage of package defined properties in the local and remote descriptors of the text encoded H.248.1 protocol the Package attribute shall be used. The format of the Package attribute is as below:

```
a=h248item:<package name>/<property name> = <value>
```

Where:

> `<package name>` is the textual package name defined in the package
> `<property name>` is the textual property name defined in the package
> `<value>` is the textual property value name defined in the package of the type (ie. boolean, integer, octet string) defined by the package.

For example: Setting *Maximum Jitter Buffer* in the Network Package E.11.1/H.248.1.

```
a=h248item:nt/jit = 2000
```

6   IANA Considerations

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•   Attribute-name: h248item

•   Long-form attribute name: H248.1 Package Property Item

•   Type of attribute (session level, media level, or both): both

•   Attribute value is subject to the charset attribute: no

•   Purpose of the attribute:

This attribute allows for the carriage of H.248-series/Megaco-defined properties for local and remote to be carried via SDP.

•   Appropriate attribute values:

The format of the Package attribute is as below:

```
a=h248item:<package name>/<property name> = <value>
```

Where:

`<package name>` is the textual package name defined in the package
`<property name>` is the textual property name defined in the package
`<value>` is the textual property value name defined in the package of the type (ie. boolean, integer, octet string) defined by the package.

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