



# ITS 31

Edition 4/December 2016

## Interface Technical Specifications

*for the network of Orange*

*As required by Directive 2008/63/EC*

### Characteristics of the interface for the Orange 3G and 4G Services

**Summary :** This document provides the characteristics of the interface for the 3G and 4G Services offered by Orange.

#### **Warning :**

"Only the French text is legally valid; therefore Orange accepts no responsibility or liability whatsoever with regard to any information or data referred to in this document".

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## Notice

Information enclosed in this document is published, pursuant to European Commission Directive 2008/63/EC dated 20 June 2008 on competition in the markets in telecommunications terminal equipment.

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Orange further points out users' attention on the following points:

1. timer values are indicative and can be subject to modification,
2. due to various technical constraints, some services or service options may not be available on some interfaces,
3. a service description in this document, for a service not yet open commercially, can in no case be considered as an undertaking that Orange will actually open this service.

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## 1. GENERAL CHARACTERISTICS OF THE 3G AND 4G INTERFACE

The Orange interface for the 3G and 4G Services complies with the documentation for 3G and 4G defined and published by ETSI (ETSI TSs).

This interface complies, in particular, with the appropriate parts of ETSI EN 301 908. EN 301 908 is a multipart Harmonized Standard first under Article 3.2 of the Directive 1999/5/EC (R&TTED), then under Article 3.2 of the Directive 2014/53/EU (RED).

## 2. FURTHER DETAILS

1/ Concerning terminals for 3G and 4G, the interface complies with the documents quoted above; the complete set of mandatory options included in the documentation above shall be supported by the terminal.

2/ It can also be noted that the corresponding Harmonized Standard under the Directive 1999/5/EC is ETSI EN 301 908.

Part 1 together with parts 2 and 3 of this HS correspond to the interface for the Orange 3G service. To be noted that part 11 covers the corresponding "repeaters".

Part 1 together with parts 13 and 14 of this HS correspond to the E-UTRA interface of Orange. To be noted that part 15 covers the corresponding "repeaters".

To be noted also the part 18 addresses the Multi-Standard Radio (MSR) Base Station.

At the date of publication of this ITS, the more recent publication of parts of the Harmonized Standard correspond to the "release 7" and the "release 11" (*as defined by the ETSI/TFES Task Force*).

### Note relating to the parts of ETSI EN 301 908

*As a result of the processing case by case of the different parts of ETSI EN 301 908, some parts of releases 7 and 11 are not published yet in the OJUE.*

### 3. FURTHER COMMENTS

It has also to be pointed out that for commercial reasons or due to network constraints, it is important that terminals are "multi mode" and support 2G/3G/4G.

### 4. HISTORY

<b>Edition</b>	<b>Date</b>	<b>Comments</b>
1	September 2004	Initial version.
2	December 2011	Taking into account of the Parts 1, 2, 3, 11, 13, 14, 15 and 18 of the EN 301 908 series V5.2.1 (Release 5).
3	March 2014	Refers explicitly to 4G.
4	December 2016	Taking into account Directive 2014/53/EU (RED). Updating the ETSI EN 301 908 «releases» of reference.

### 5. GLOSSARY

E-UTRA (or EUTRA)	Evolved-UMTS Terrestrial Radio Access
LTE	Long Term Evolution (a technology specified as part of the IMT family – typical of 4G mobile networks)
ITS	Interface Technical Specifications