



#### 1. 2020年4月22日, 欧盟发布L 127, RED 0J部分更新如下:

22 April 2020, Official Journal of the European Union published L 127:

https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/? uri=CELEX:32020D0553&gid=1587642809311&from=EN

These standards are added to the official journal for the RED:

In Annex I to Implementing Decision (EU) 2020/167, the following rows are added:

No	Reference of the standard	
<u>'4.</u>	EN 301 908-1 V13.1.1	
	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements	
5.	EN 301 908-3 V13.1.1	
	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)	
6.	EN 301 908-14 V13.1.1	
	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)	
7.	EN 301 908-18 V1 3.1.1	
	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)'	

#### And the following standards will be withdrawn (date shown):

In Annex III to Implementing Decision (EU) 2020/167, the following rows are added:

No	Reference of the standard	Date of withdrawal
<b>'</b> 8.	EN 301 908-1 V11.1.1	22 October 2021
	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements	
9.	EN 301 908-3 V11.1.3	22 October 2021
	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)	
10.	EN 301 908-14 V11.1.2	22 October 2021
	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)	
11.	EN 301 908-18 V11.1.2	22 October 2021
	IMT cellular networks: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 18: E- UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)	





## 2. 2020年4月22日, ISED公布采用时间平均比吸收率(TAS)协议的产品的认证要求。

ISED Canada is pleased to announce that the Certification Requirements for Products Employing Time-Averaged Specific Absorption Rate (TAS) Protocol is now published.

ISED's <u>Notice 2020 DRS007 - TAS</u> is now available in the public domain. http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/tt00132.html

Notice 2020 - DRS0007

April 22, 2020

## Certification Requirements for Products Employing Time-Averaged Specific Absorption Rate (TAS) Protocol

Products employing time averaging technology used for dynamic management of power levels to control Specific Absorption Rate (SAR) over a specific time period, such as QUALCOMM's Smart TransmitTM, require pre-approval from ISED. ISED will only consider the acceptance and subsequent listing of products on the Radio Equipment List (REL) provided the following requirements have been met.

A. Consultation with ISED prior to seeking equipment certification for new and emerging technologies

When there are no standardized test procedures explicitly defined for new and emerging technologies, ISED shall be consulted to determine the necessary test methodologies for demonstrating compliance with applicable Canadian requirements (e.g. Canadian RF exposure limits).

To minimize delay in obtaining Canadian regulatory approval, applicants and other responsible parties (e.g. recognized test laboratories, certification bodies, product integrators etc.) should contact the Department as early as possible via the <u>general</u> inquiry web page.

#### **B.** Pre-approval of SAR time averaging protocols

Due to the lack of standardized test methods and protocols, ISED will be assessing all applications for product certification involving Time-averaged SAR (TAS) on a case -by-case basis. No product will be listed on the Radio Equipment List (REL) until ISED has validated and approved the TAS protocol.

ISED approval will be granted following a satisfactory review of the protocol documentation, and, when deemed necessary, via a physical evaluation.

When is ISED pre-approval required?





#### 1. TAS protocols

Any TAS protocol shall be pre-approved by ISED.

#### 2. Modules

Any module integrating an ISED approved TAS protocol requires pre-approval by ISED to validate host product integration.

#### 3. Final products

Any final product that integrates an ISED approved TAS protocol requires pre-approval by ISED to validate that the final product took into account the integration considerations stipulated by the TAS protocol developer as well as the requirements set forth in this document.

Note: When the final product is a host integrating a certified module incorporating an ISED approved TAS protocol, ISED pre-approval is not required. However, the C4PC requirements detailed in section 10.4 and 11.4 of <u>RSP-100</u>, including any other requirements set forth in applicable standards, shall be met.

TAS pre-approval packages shall be submitted to ISED via the following email address: <u>ic.certificationbureau-bureauhomologation.ic@canada.ca</u>. It is recommended to add "TAS pre-approval package" in the subject line of the email.

Following a successful review of the TAS pre-approval package, ISED will provide an approval letter to the applicant. The applicant shall provide the approval letter to the Certification Body (CB) for the purpose of certification. The CB shall include the approval letter as part of the technical brief submitted to ISED for the product to be listed on the REL.

## C. Time-averaging period

To demonstrate compliance with the SAR limits specified in Health Canada's <u>Safety</u> <u>Code 6</u> and ISED's <u>RSS-102</u>, a time averaging period of 360 seconds shall be used; compliance shall be demonstrated in any 360 second period (rolling window). All products certified for the Canadian market shall implement a time-averaging period of 360 seconds at the chip set level.

## D. Averaging methodology

As per Health Canada's <u>Technical Guide for Safety Code 6</u>, the arithmetic mean shall be used when averaging SAR to demonstrate compliance with the Canadian radio frequency (RF) exposure limits. Averaging methods employing any types of weighting factors are not accepted.





#### E. Laboratory accreditation

All testing performed to demonstrate compliance of a radio apparatus with the requirements set forth in RSS-102, including its referenced and accepted normative standards and test procedures, shall be carried out by an ISED recognized testing laboratory.

It is critical that all device specific evaluation parameters used for compliance evaluations are assessed by a recognized test laboratory including, but not limited to, the following;

□ Factors and methods used to determine applicable exposure conditions and operational modes

- □ Proximity or other sensors used for power reduction
- Output power
- Dynamic antenna tuning
- □ SAR evaluations
- □ Time-averaging transmitter (Tx) factor assessment
- □ TAS protocol validation

For proprietary test procedures and validation protocols that have been accepted by ISED, the recognized test laboratory shall demonstrate that they have been approved by the TAS protocol developer to assess their technology. An approval letter from the TAS protocol developer shall be provided as part of the technical brief submission. A TAS protocol developer's in-house test laboratory is not required to submit an approval letter.

#### F. Product certification requirements

Manufacturers, importers, distributors and vendors have a legal obligation to ensure that Category I radio apparatus introduced in the Canadian marketplace have been certified and comply with applicable Canadian technical standards.

As per the requirements set forth in Section 4 (3) of the <u>Radiocommunication Act</u>, "No person shall manufacture, import, distribute, lease, offer for sale or sell any radio apparatus, interference-causing equipment or radio-sensitive equipment for which with those standards."

As per the requirements set forth in section 2.6.1 of RSS-Gen Issue 5, "No person shall import, distribute, lease, offer for sale, or sell Category I radio apparatus in Canada unless they are listed on ISED's REL".





Equipment in the Canadian marketplace shall continue to meet those standards during their entire life-cycle.

#### **G.** Future Considerations

ISED is currently analyzing how time averaging can be implemented to manage compliance with other RF exposure requirements, such as power density above 6 GHz. If you have any questions or require additional guidance, please contact ISED via the following web page: <u>General Inquiry form</u>

## 3. ICES-003 Issue 7标准草案开放咨询, 可于7月3日前提交意见。

ISED Canada Draft Standard ICES-003 Issue 7 Consultation - comments due by July 3

The following ISED Canada Draft standard is open for consultation: <u>https://www.rabc-cccr.ca/consultations/open/</u>

# ISED Interference-Causing Equipment Standard, ICES-003, issue 7, April 2020 – Information Technology Equipment (including Digital Apparatus)

The Department of Innovation, Science and Economic Development Canada is seeking comments on the following CONSULTATION: ICES-003, issue 7, "Information Technology Equipment (including Digital Apparatus)" sets the minimum requirements applicable to information technology equipment (ITE), including digital apparatus. These requirements include limits for and methods of measurement of radiated and conducted radio frequency emissions produced by ITE equipment, as well as administrative requirements applicable to such equipment.

Comments are due no later than July 3, 2020.

#### 4. FCC发布人体暴露于射频电磁场的拟议规则,评论截止日期为2020年6月3日。

## FCC Human RF Exposure - Proposed Rule - Comments due June 3

The following was published in the Federal Register (corrected dates for comments and reply comments):

[ET Docket No. 19-226; FCC 19-126; FRS 16643]

**SUMMARY:** The Federal Communications Commission (Commission) is correcting a date that appeared in the Federal Register on April 6, 2020. In this document, the Commission seeks comment on expanding the range of frequencies for which its radiofrequency (RF) exposure limits apply; on applying localized exposure limits





apply; on applying localized exposure limits above 6 GHz in parallel to the localized exposure limits already established below 6 GHz; on specifying the conditions and methods for averaging the RF exposure, in both time and area, during evaluation for compliance with the RF exposure limits in the rules; on addressing new RF exposure issues raised by wireless power transfer (WPT) devices; and on the definition of a WPT device.

**DATES:** Comments are due on or before June 3, 2020, and reply comments are due on or before July 6, 2020.

#### 5. 2020年4月, FCC 更新和发布的KDB 如下:

The FCC has released the following updated/new KDB entries as published on the FCC website:

Publication Number	Question	Answer
<u>784748</u>	What guidance is available for labeling and user information for RF devices? 784748 D02 e labeling v02r01	Guidelines for labeling and user information for RF devices are contained in the following attachments: <u>784748 D01 La- beling Part 15 18 Guidelines v09r01</u> provides general guid- ance for labeling and user information. <u>784748 D02 e labeling</u> <u>v02</u> provides gu
<u>388624</u>	What devices require FCC guidance prior to a TCB issuing a grant of equipment authorization, and what are the procedures to obtain this guidance? <u>388624 D01 Pre-Approval Guidance v11r03</u> <u>388624 D02 Pre-Approval Guidance List v16r06</u>	The attached documents provide guidance on the Pre- Approval Guidance (PAG) procedures (Section 2.964) formerly known as the Permit But Ask (PBA) procedure. Attachment <u>388624 D02 Pre-Approval Guidance List v16r06</u> provides a list of the RF devices that
<u>285076</u>	What are the equipment authorization require- ments for hearing aid compatibility of mobile handsets? <u>285076 D01 HAC Guidance v05r01</u> <u>285076 D03 HAC FAQ v01r01</u>	The following documents provide guidance on the equipment authorization of RF devices subject to the Hearing Aid Com- patibility (HAC) rules: <u>285076 D01 HAC Guidance v05r01</u> pro- vides equipment authorization guidance for mobile handsets subject to the
<u>935210</u>	What is the Commission guidance for the evalua- tion of Signal Boosters? 935210 D03 Signal Booster Measurements v04r04 935210 D04 Signal Booster Provider Specific v02r04 935210 D05 Indus Booster Basic Meas v01r04	A regulatory framework for signal boosters was established and has been updated in FCC rulemaking docket no. 10-4 (e.g., FCC 13-21, FCC 14-138, FCC 18-35), also including the Network Protection Standard that specifies the technical and operational require
<u>842590</u>	What measurement procedures should be used for demonstrating compliance of millimeter wave devices? 842590 D01 Upper Microwave Flexible Use Ser- vice v01r01	See attachment 842590 D01 Upper Microwave Flexible Use Service v01r01 for guidance on the evaluation of millimeter wave (mmW) devices that are subject to Part 30 of the FCC rules. Clause 9 of ANSI C63.10-2013 provides general meas- urement procedures





## 6. 欧盟更新

**EU Updates:** In the period of March 31 and April 30, 2020, several new standards have been published by ETSI:

ETSI EN 319 412-5 V2.3.1 (2020-04) Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 5: QCStatements

ETSI EN 303 258 V1.1.1 (2020-04) Wireless Industrial Applications (WIA); Equipment operating in the 5 725 MHz to 5 875 MHz frequency range with power levels ranging up to 400 mW; Harmonised Standard for access to radio spectrum

ETSI EN 300 392-9 V1.7.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 9: General requirements for supplementary services

ETSI EN 300 392-5 V2.7.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D) and Direct Mode Operation (DMO); Part 5: Peripheral Equipment Interface (PEI)

ETSI EN 300 392-3-15 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 15: Transport layer independent Additional Network Feature, Mobility Management (ANF-ISIMM)

ETSI EN 300 392-3-14 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 14: Transport layer independent Additional Network Feature Short Data Service (ANF-ISISDS)

ETSI EN 300 392-3-13 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 13: Transport layer independent Additional Network Feature Group Call (ANF-ISIGC)

ETSI EN 300 392-3-12 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 12: Transport layer independent Additional Network Feature Individual Call (ANF-ISIIC)

ETSI EN 300 392-3-11 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 11: General design, SIP/IP





ETSI EN 300 392-3-10 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 10: General design, PSS1 over E.1

ETSI EN 300 392-3-9 V1.2.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 9: Transport layer independent, General design

ETSI EN 300 392-3-8 V1.4.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 8: Generic Speech Format Implementation

ETSI EN 300 392-1 V1.6.1 (2020-04) Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 1: General network design

And the following standards are on approval, waiting to be published:

ETSI EN 319 412-3 V1.1.3 (2020-04) Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 3: Certificate profile for certificates issued to legal persons

ETSI EN 319 412-2 V2.1.3 (2020-04) Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 2: Certificate profile for certificates issued to natural persons

ETSI EN 319 403-1 V2.3.1 (2020-04) Electronic Signatures and Infrastructures (ESI); Trust Service Provider Conformity Assessment; Part 1: Requirements for conformity assessment bodies assessing Trust Service Providers

ETSI EN 303 645 V2.1.0 (2020-04) CYBER; Cyber Security for Consumer Internet of Things: Baseline Requirements

ETSI EN 302 066 V2.2.1 (2020-04) Short Range Devices (SRD); Ground- and Wall-Probing Radio determination (GPR/WPR) devices; Harmonised Standard for access to radio spectrum

ETSI EN 301 545-2 V1.3.0 (2020-04) Digital Video Broadcasting (DVB); Second Generation DVB Interactive Satellite System (DVB-RCS2); Part 2: Lower Layers for Satellite standard