

INFORMATION and COMMUNICATION TECHNOLOGIES AUTHORITY



12<sup>TH</sup> Floor, The Celicourt, Sir Celicourt Antelme Street,  
Port Louis, MAURITIUS

Ref. ICTA/FTR/TD/1/2011

19 January 2011

**THE TELECOMMUNICATION DIRECTIVE 1 OF 2011**

The Information & Communication Technologies Authority (hereinafter referred to as the **Authority**) in exercise of its statutory functions under the Information & Communication Technologies Act 2001 (as amended) and hereinafter referred to as the Act, and notwithstanding the obligations already specified in the PSTN, PLMN and ILD Licences, hereby issues the following Directive, pursuant to sections 16(c) and 16(f) combined with sections 18(1)(a), 18(1)(b), 18(1)(c), 18(1)(i), 26(a) and 26(e) of the Act as well as section 48(h)(ii) of the Data Protection Act 2004.

**1. Short title and Commencement**

- (i) This Directive shall be called “The Telecommunication Directive 1 of 2011 – (TD 1 of 2011)”.
- (ii) The Telecommunication Directive 1 of 2011 shall come into effect on 19 January 2011.

**2. Scope and Objective**

This Directive provides for the additional obligations on licensees holding a PSTN, a PLMN and an ILD licence for the purpose of Fraud Tracking.

The objective of this Directive is to define the technical requirements for the installation of fraud tracking equipment at the premises of the PSTN, PLMN and ILD licensees and for the collection of data related to fraud tracking.

**3. Interpretation**

“*Call Detail Record*” means a data record containing call detail information relating to a specific call or call attempt instance.

“*Fraud Tracking*” means the provisions put in place by the Authority to track fraud on incoming international traffic from ILD operators in accordance with sections 18(1)(b) and 18(1)(c) of the Act.

“*Fraud Tracking Equipment*” means equipment such as billing servers, owned by the Authority, and installed at Licensees premises for the purpose of fraud tracking.

“*Tracking call*” means the call made in accordance with section 6 below.

“*Tracking number*” means one of the two thousand (2000) telephone numbers referred to in section 5.3(g) below, on which a tracking call is made in accordance with section 6 below.

#### **4. Consequential Amendments**

- 4.1. Provision 5 of the explanatory memorandum of Telecommunication Directive 3 of 2010 is amended by deleting the following sentence:-

*“The ILD operators/licensees shall enter into an agreement with the Fraud Tracking Entity for the purpose of conducting the fraud tracking activity on incoming international calls into Mauritius”*

#### **5. Installation of Fraud Tracking Equipment and other Requirements**

- 5.1. The licensees shall give full access to their premises to the ICT Authority or to its Agent for the installation of Fraud Tracking Equipment and for the connection of the said equipment to the telecommunication system which is operated by the licensee for the purpose of terminating international calls into Mauritius;

- 5.2. The ILD licensees shall make available the following at their premises to the ICT Authority for the purpose of Fraud Tracking:-

- (a) One (1) public Internet Protocol (IP) address
- (b) Space for one server
- (c) Minimum of 256 kbps access to the Internet via Ethernet
- (d) Power supply of 230 V and 50 Hz AC

- 5.3. The PSTN/PLMN licensees shall make available the following, as may be applicable, at their premises to the ICT Authority for the purpose of Fraud Tracking:-

- (a) One (1) public Internet Protocol (IP) address
- (b) Space for one server
- (c) Minimum of 256 kbps access to the Internet via Ethernet
- (d) Power supply of 230 V and 50 Hz AC
- (e) Ten (10) UMTS/GSM SIM cards or ten (10) CDMA RUIM cards with Calling Line Identification (CLI shall be available even when calling party has barred its CLI) or any other alternative facility that may be acceptable to the Authority.
- (f) Half E1 ISDN line to the premises of the ICT Authority (applicable to wireline PSTN only)
- (g) Two thousand (2000) randomly chosen telephone numbers

- 5.4. The PSTN/PLMN licensees shall set-up voice transfer routing for all calls received on the two thousand randomly chosen telephone numbers to either the ten UMTS/GSM SIM cards or the ten CDMA RUIM cards or Half E1 ISDN line or any other alternative facility that may be acceptable to the Authority as may be applicable;

#### **6. Fraud Tracking Process**

- 6.1. The ICT Authority may, at its own motion, send calls randomly to the numbers provided by the PSTN/PLMN operators via selected international carriers;

- 6.2. The ICT Authority may, following each tracking campaign, send an official email to all PSTN, PLMN and ILD licensees to inform them about the tracking numbers that have been used during the campaign;




6.3. The ICT Authority may send the tracking numbers to the Fraud Tracking Equipment installed at the premises of the ILD licensees in order to automatically extract Call Detail Records pertaining to the tracking numbers **only**.

**7. Access to Call Detail Records**

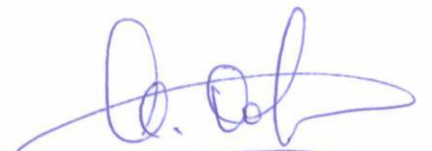
- 7.1. The ILD licensees shall enable the Fraud Tracking Equipment installed at their premises to access the Call Detail Records of all incoming international calls for the purpose of traffic volume computation and for the automatic extraction of Call Detail Records pertaining to the tracking numbers only;
- 7.2. The PSTN and PLMN licensees shall enable the Fraud Tracking Equipment installed at their premises to access Call Detail Records of all incoming international traffic received from their Point of Interconnection with ILD licensees for the purpose of traffic volume computation only;
- 7.3. The PSTN and PLMN licensees shall send the Call Detail Records for tracking numbers to the Authority either via email or via File Transfer Protocol (FTP) or any other means that may be acceptable to the Authority.

**8. Confidentiality**

8.1. Whereas the Fraud Tracking Equipment installed at the premises of the ILD, PSTN and PLMN Licensees will have access to Call Detail Records of all incoming international calls, only traffic volumes and Call Detail Records pertaining to tracking numbers will be extracted by the Authority for the purpose of Fraud Tracking in accordance with sections 6 and 7 of this Directive.

  
**Mr T. Dwarka**  
**Chairman**



  
**Dr M. K. Oolun**  
**Executive Director**

**To: All Licensed ILD, PSTN and PLMN Licensees**