

### CDR Requirements from MNOs:

Phases	No	Data	Sources	Purpose	Connection Point	Requirement Details
Phase 1	1	VC Recharge Transaction including outbound roaming.	Voucher Management System (VMS)	TSF 10%	<ul style="list-style-type: none"> <li>Database connection to CvBS table or view</li> </ul>	All used physical recharge transactions along with respective official Data Definition Files.
	2	OCS (Online charging system) detailed transactions	E-Top-up (Me2U, M Paisa, M Share, etc.)	TSF 10%	<ul style="list-style-type: none"> <li>Database connection to CvBS table or view</li> </ul>	All electronic channels recharges that increase the subscriber main balance with local currency. Along this we need the official data definition file.
	3	Postpaid Billed CDR including outbound roaming.	IN / Billing System	TSF 10%	<ul style="list-style-type: none"> <li>Database connection to CvBS table or view</li> </ul>	Postpaid subscribers' usage CDR and generated bills by billing system.

	4	Roaming CDRs	TAP OUT file	TSF 10%	<ul style="list-style-type: none"> <li>SFTP – File Sharing</li> </ul>	Inbound roaming CDRs TAP out files
	5	Leased line	Collection/invoices	TSF 10%	<ul style="list-style-type: none"> <li>SFTP – File Sharing</li> </ul>	all leased line like E1 Links, staff lines etc.
Phase 2	1	1- All Usage CDRs 2- VAS CDRs 3- Bundles CDRs 6- Others.	IN/Billing	Revenue Assurance	<ul style="list-style-type: none"> <li>Database connection to CvBS table or view</li> <li>SFTP – File Sharing</li> </ul>	All usage prepaid/postpaid CDRs, before mediation. CDRs description document.
	2	GGSN/SGSN CDRs	GGSN/SGSN Core Networks	Revenue Assurance	SFTP – File Sharing	All GPRS CDRs before mediation. CDRs description document.
	3	SMSC CDRs	SMSC	Revenue Assurance	SFTP – File Sharing	SMSC CDRs before mediation. CDRs description document.
	4	a. Interconnect rates plan i. PABX (Private Automatic Branch Exchange) ii. Call Center iii. Transit charges iv. SMS	<b>MSC / GMSC</b>	Revenue Assurance	SFTP – File Sharing	All MSC - Raw CDRs before mediation. Invoices for E1 links. CDRs description document.

		v. E1 Links b. Roaming a. Inbound/outbound c. Incoming domestic/International Calls d. Others				
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**NOTE:** Other rated or charged CDR in case missed in above table that contributes in revenue.