



BIG DATA

Georgian National Communications Commission
March, 2019

DATA COLLECTION

CDR/IPDR and coverage data

From three mobile operators

Every month

In CSV format

Provided data structure are identical

Form 1 - Mobile Network Coverage

Field	Description
CELL_ID	Cell unique number
TECH_GEN	Technology - 2G/3G/4G
LAT	latitude
LON	Longitude
Azimuth	Azimuth
CELL_GEOM	Cell coverage geometry

Form 2 - Mobile CDR/IPDR Data

Field	Description
ID	IMSI code of subscribers. Depersonalized by MD5 algorithm (without country code); comment: without Call forwarding CDR
IMEI	Device IMEI code (encrypted)
TAC	Device TAC code
TYPE_EVENT	CDR/IPRD type: <ol style="list-style-type: none"> 1. Outgoing call 2. Incoming call 3. Outgoing SMS 4. Incoming SMS 5. Other records (no call, no sms, no internet) 6. Access to public Internet 7. Access to walled gardern
NATIONAL_OTHER	<ol style="list-style-type: none"> 1. Domestic Call/SMS 2. Other
DATETIME	Date and Time of CDR/IPDR
DURATION	Duration of CDR
TYPE_DOMESTIC_OUTBOUND_I NBOUND	Record type: <ol style="list-style-type: none"> 1. Domestic 2. Inbound Roamers 3. Outboud Roamers
MCC	Sim-card Country code
CELL_ID	Cell unique Id
DATA_VOLUME	The volume of data traffic (byte)
PHONEB	Depersonalized B number (if it is domestic call or sms)
OPERATOR1	Mobile operator name
OPERATOR2	Mobile operator name of B number (if it is domestic call or sms)



DATA FLOW



Data Processing

