Rated CDR description

Transatel IoT Connect

last updated o 28/09/2020

Column	Format	Description	Value example
Global ID	Integer	CDR unique identity Of note, a CDR can be split between multiple lines (for instance if a unique CDR is related to different "Time Band" values)	10012137345249
Subscriber number	integer(8).integer(8)	Internal Transatel reference, identifying the subscription	01260694.00000043
SIM serial	20 chars max	ICCID (SIM serial number)	8988247000010203xxx
ExternalRef	Char	ID passed by provisioning system	a value you defined
Start Date	yyyy-mm-dd hh:mm:ss	Start date-time of the call/event	2018-12-19 17:13:05
MSISDN	20 chars max	MSISDN of the subscription (international format)	+882470001082xxx
Offer	30 chars max	Name of the configured wholesale offer (no relation with packages or bundles)	M2MA_WW_TSL_PPU_A
Source ID	Integer	ID of the source that generated the original CDR '22' = Transatel Worldwide - 90137 '23' = Transatel France - 20822	22
Call Type	7 chars max	Call Type identifier	ROGIN
Chargeable usage volume	Integer	Chargeable Duration of the call (seconds for voice, bytes for data or 1 for SMS) Different from Network Duration if patterns or rounding mechanisms are applied.	6932480
Network usage volume	Integer	Real duration of the call (seconds for voice, bytes for data or 1 for SMS) (answer time to disconnect time)	6929715
Unit		Empty - RFU	
Time Band	Char	Time band of the call 'P' = Peak 'O' = Off-Peak 'N' = N/A	N
Charge	14 Digits with 8 decimal plac	Wholesale price (VAT and discounts excluded)	000000.27513280
Charging Principle	Char	Flag of CDR inclusion in a bundle (Where available) 'C' = Event has incurred an Out-of-Bundle charge 'B' = Event has decremented the Tariff's inclusive Standard Bundle 'S' = Event has decremented the Tariff's Inclusive Fleet bundle (Super Bundle) 'A' = Event has decremented the Tariff's Inclusive Aggregated bundle 'BO' = Event has decremented the Bolt-On (Optional) bundless inclusive allowance 'TM' = Event is covered by Test Mode feature	C
Talk Plan inclusion		Not applicable in M2M offer	0.0000
Package		Empty - RFU	
Calling Number	20 chars	Calling party number	882470001082323
Dialed Number	20 chars	Called party number. The APN in case of packet switched data CDR followed by mnc and mcc	your.apn.mnc037.mcc90
Origin Country Code	ISO3	HPLMN country code or Visited country code for roaming calls	IND
Origin Network Code		MCC-MNC of visited network (Where available)	
Destination Country Code	ISO3	Country code of dialled number	
Number Type	3 chars	Type of dialled number for outgoing calls	
Cell ID	5 hexadecimal characters	Cell identifier (at start of call, where available)	0004F40102702D6A
RAT	string	Radio access technology (where available) As per 3gpp specifications, e.g. UTRAN=1 (3G), GERAN=2 (2G), EUTRAN=6 (LTE)	2
IMEI	15 or 16 digits	User device identifier (Where available)	352761062097941

Filename convention

New batch files are created every 30 minutes, 24/7. These files will be published to the FTP server and be available for a period of 90 days following generation. Batch files will be automatically deleted after a minimum 90 days.
Each batch file has a unique name per the following specification:
AAAAAAAA _RatedCDR_YYYYMMDDHHmmss_CC.csv

Where:
•AAAAAAAA is the Service Provider id. This does not change.
•'_' is the separator. This does not change
•'RatedCDR' is a literal value that identifies this file type. This does not change.
•YYYYMMDDHHmmss is the Data-Time stamp for the creation of the file.
•CC is the daily sequence number. Starting each day from 01:00 a.m., this will increment each time the next file is created. This can be used to ensure that all files have been generated and downloaded.
•';' Is the separator. This will not change
•'csv' identifies the file type; Comma Separated Values (semi-colons are used as separators)
Batch files are stored on Transatel's FTP server in a ZIP compression format. This is denoted with the filename extension '.gz'. Such files must be transferred using a binary download.

Trailer records

Every batch file has a single trailer record composed of the following three fields:

• "EOF" – a literal tag that identifies the trailer record; End Of File
• Number of Call Detail Records recorded in the file
• Filename for the batch file

For example:
EOF;10;00000005_RatedCDR_20190831121611_04.csv

Charging Principle	Description
C	Event has incurred an Out-of-Bundle charge
B	Event has decremented the Tariff's Inclusive Standard bundle
S	Event has decremented the Tariff's Inclusive Fleet bundle (Super Bundle)
A	Event has decremented the Tariff's Inclusive Aggregated bundle
BO	Event has decremented the Bolt-On (Optional) bundle's inclusive allowance
TM	Event is covered by Test Mode feature and will benefit from a discount at the Billing stage

Plan inclusions	Description
(Empty)	Event is excluded from any Bundle consideration
0	Event has incurred an Out-of-Bundle charge
1	Event has decremented the bundle's inclusive allowance
Between 0 and 1	Event has decremented the bundle's inclusive allowance but also crossed the bundle limit and has incurred an Out-of-Bundle charge. The value provides the percentage of the call which has been included in the bundle allowance

Call types	Description
ROCnn	Roaming Originating Call while Roaming in Zone nn (destination unknown)
ROCnnmm	Roaming Originating Call while Roaming in Zone nn to Zone mm
ROCLnn	Roaming Originated Call to Local number: nn indicates the zone of the visited country
ROCS	Roaming Originated Call to Special Number
ROGnn	Roaming Packet Switch Data (GPRS/EDGE/UMTS) except WAP in Zone nn
ROSnn	Roaming Originating SMS while Roaming in Zone nn
ROSnnmm	Roaming Originating SMS while Roaming in Zone nn
ROWnn	Roaming Data (GPRS/EDGE/UMTS) in Zone nn
RFCnn	Roaming Forwarded Call while Roaming in Zone nn

Number types	Description	Number type	Description
FIX	Geographic	SAT	Satellite
MOB	Mobile	TST	Test Number
PAG	Pager	UNI	Unified messaging
XPN	Personal	AUD	Audiotext
XPR	Premium Rate	VID	Videotext
XSC	Shared Cost	VOI	Voicemail
XTF	Toll Free	VPN	Virtual Private Network
PAY	Public Phone	EMA	electronic services
ADS	Digital Subscriber line	NFX	national geographic
CSC	Carrier Selection Code	WLL	wireless local loop
IP	IP telephony	XLR	local rate
ISP	Internet	XNR	national rate
SAC	Short or Special Code		