USER MANUAL

TPS Creator 1.0

EM-FAMILY

ISSUED BY:

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01   INTRODUCTION

01.1   Scope

The manual describes use of the EXCEL based XML Creator. Data provided in EXCEL cells are transformed into a XML nomination document.

No other spreadsheet tool than MS-EXCEL is supported. Created documents are designed for a standard ESS process.

01.2   Interrelation with other Documents

MMS User manual "MASTER DATA".

MMS User manual "Nomination"

MMS Global glossary

01.3   Target Audience

Agents of Balance responsible parties.

The users of this product have good knowledge on

- computer operation (including skills in MS-EXCEL)

- The new Georgian Energy Market Model

- The process of ENTSO-E nomination

01.4   Terms & Abbreviations

Global Position	The set of all trades within a nomination document. They represent all planned commercial activity of a balance group.
MBA	Market balance area.
Trade Relation	A generic directional representation of a buy/sell relation. Affected balance groups and areas are identified by valid EIC codes.

01.5 Writing Conventions

Names and terms are under quotation marks.

The screenshots help to visualize the verbal description. Their content may be completely artificial.

02   TRADE PLAN SCHEDULES

The BRP is responsible to nominate all his trades as TPS (trade plan schedules document) to the respective TSO. This is done in respect to nomination phases (longterm, shortterm, Intraday) and a published timeline.

02.1   Internal Trade

An internal trade affects only balance groups within the same MBA, as visible by identical in-area and out-area Identifiers.

02.2   Cross Border Trades

A cross border trade affects balance groups that are registered in different MBAs. Depending on the transmission capacity regime there may be necessary explicit, implicit or no capacity rights for each respective trade.

02.3   Nomination Constraints

Each trade relation occurs only once in a TPS.

One referenced balance group (inparty or outparty) of a trade relation must have a responsibility relationship to the sending BRP.

All nominated values are positive.

Time periods and timestamps are interpreted in CET time zone.

Values are to be provided in 15 minutes resolution for exactly one nomination day (CET boundaries). No position may be omitted.

On renomination you must send a message with a higher message version than before.

A followup nomination must not contain less information (amount of trades) than the previous one. A trade that is no longer relevant must show all zero values.

In cross border nominations and with excplicit capacity rights, one of the affected parties must be the rights holder as registered by the allocation office.

03   EXCEL SPREADSHEET LAYOUT

The provided EXCEL Map is a data container for relevant nomination data

The map contains 3 sheets

- TPS_DATA: actual data for a specific nomination day

- TPS_TradeRelations: a list of static trade information (like a template)

- TPS_Config: configuration visibility, defaults and creation switches

The fields in each sheet are identified by names.

04   USAGE

04.1   General Preparation

Have a recent version of MS Excel installed on your computer. Get the current version of the TPS Creator from the TSO. Copy it to a working directory. Prepare a directory C:/temp for the created XML documents.

On registering as a market participant you receive an EIC party code and another EIC for each balance group that you responsible for. Have those codes ready.

04.2   BRP customization

In this step you create a kind of template for subsequent day by day copying/adaption. Save it under a meaningful file name.

04.2.1 TPS_Data

Put your own party EIC as "SenderIdentification"

Set the "MessageVersion" initially to 1

04.2.2 TPS_TradeRelations

List the typical trade relations in the sheet "TPS_TradeRelations":

- For each new trade relation copy the "B" column to the next free right column.

- Give the relation a semantically valid /speaking name (line header "name" i.e. "Buy from X", "Sell to Y"

- Fill in the columns according the table below or consult athe official ENTSO-E ESS documentation

Name	Value	Constraint
BusinessType	A02 (MBA internal trade) A03 (Cross border trade using explicit rights) A06 (Cross border trade without explicit rights)	One-of
Product	8716867000016	mandatory
ObjectAggregation	A03 (party)	mandatory
InArea	EIC of area	specify
InArea_Scheme	A01	mandatory

OutArea	EIC of area	specify
OutArea_Scheme	A01	mandatory
InParty	EIC of balance group	specify
InParty_Scheme	A01	mandatory
OutParty	EIC of balance group	specify
OutParty_Scheme	A01	mandatory
CapacityContractType	A01 (daily) A03 (monthly) A04 (yearly) A07 (intraday)	One-of [fill only if business type is A03]
CapacityAgreementIdentification	The CAI issued by the allocation office	[fill only if business type is A03]

Trade Relation Attributes

	A	B	C
1	Name	Buy_From_EnergyGUP	Sell_To_EnergyGUP
2	BusinessType	A02	A02
3	Product	8716867000016	8716867000016
4	ObjectAggregation	A03	A03
5	InArea	10Y1001A1001B012	10Y1001A1001B012
6	InArea_Scheme	A01	A01
7	OutArea	10Y1001A1001B012	10Y1001A1001B012
8	OutArea_Scheme	A01	A01
9	InParty	90XBG-GARDABANIO	90XENERGY-GUP--6
10	InParty_Scheme	NGE	NGE
11	OutParty	90XENERGY-GUP--6	90XBG-GARDABANIO
12	OutParty_Scheme	NGE	NGE
13	CapacityContractType		
14	CapacityAgreementIdentification		

Example Trade Relation

04.2.3 TPS_Config

You may choose to see/hide some columns, and set default values for new data columns

It is recommended not to modify fields other than visibility.

04.3 TPS for a Day

- In the sheet "TPS_Data" update the "Day" to the nominated day (day of delivery) as a date formatted value.

- In the Line "SendersTimeSeriesIdentification" type a name (unique within this document) for a trade. → Fields below will be populated with initial values.

- In the Line "TradeRelation" click the field to see a drop down menu for prepared relations. Select one. → Fields below will be populated with relation values.

- For Cross border trades check if the correct CCT/CAI are filled in

- Update each Position cell with the trade volume as planned (procured)

- Click on the button "Create TPS". → the XML nomination document is created in the creation directory C:/temp/<date_as YYYY-MM-DD>.

- Fetch the XML and transmit it to the TSO

	A	B	C
1	**Day**	**18.05.2020**	
2			Create TPS
3	MessageIdentification	TPS-20200518-90XBG-GARDABANIO	
4	MessageVersion	1	
8	SenderIdentification	90XBG-GARDABANIO	
20			
21	**SendersTimeSeriesIdentification**	TS001	TS002
22	SendersTimeSeriesVersion	1	1
26	**TradeRelation**	Sell_To_AES	Sell_To_EnergyGUP
27		10YTR-TEIAS----W	10Y1001A1001B012
29		10Y1001A1001B012	10Y1001A1001B012
31		94YAES-ELEKTRIK1	90XENERGY-GUP--6
33		90XBG-GARDABANIO	90XBG-GARDABANIO
35		A03	
36		MB-2020-05-TK-GARDABANIO-01	
40			
41	Pos.1	20,000	50,000
42	Pos.2	20,000	50,000
43	Pos.3	20,000	50,000
44	Pos.4	20,000	50,000
45	Pos.5	20,000	50,000

04.4   Renominate TPS for a Day

- Copy the previous EXCLE data collection as a new one

- You will be using the same Message Identification, but increase the message version

- Update the trade column and values as needed.

- For a modified trade column increase the "SenderTimeSeriesVersion"

- Create and transmit the new XML document.