



Peti
ENERGETSKI SAMIT
u Bosni i Hercegovini



Implemented by
giz



POD POKROVITELJSTVOM



Ministarstvo vanjske trgovine
i ekonomskih odnosa BiH



Državna regulatorna komisija
za električnu energiju (DERK)



Regulatorna komisija za energetiku
Republike Srpske (RERS)



Regulatorna komisija za energiju
u Federaciji BiH (FERK)

Proposed Standard for Electronic Data Interchange in the Retail Electricity Market in BiH

Objective

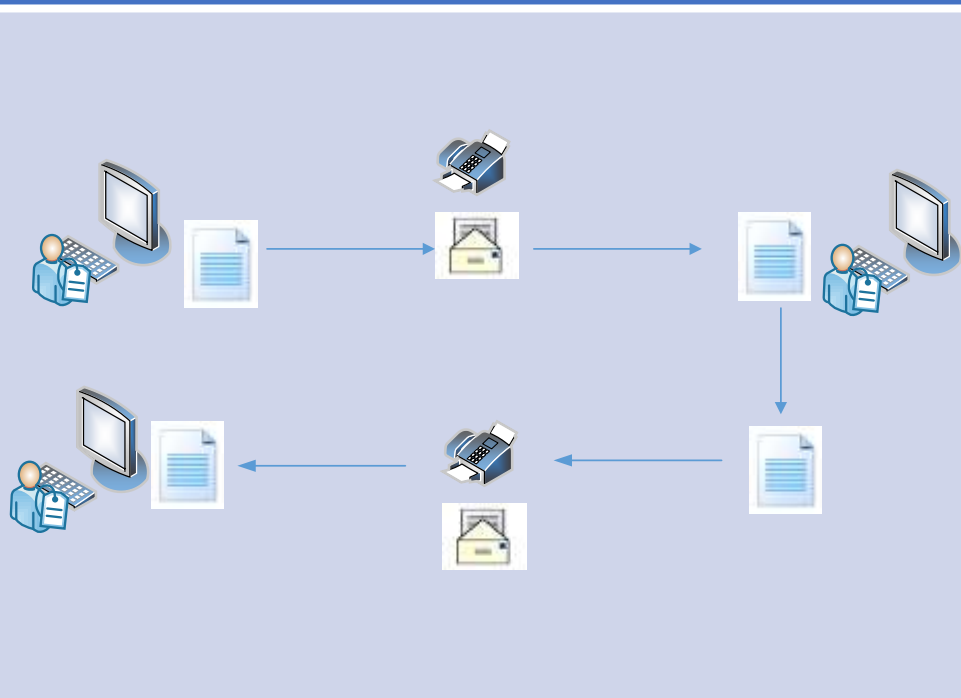
- Develop Standard for electronic data interchange
- Include all stakeholders in the development of the Standard
- Consider different application possibilities and aspects
- Select a solution applicable in BiH
- Select a lasting solution
- Reach agreement among stakeholders

Organization of the work

- Overall work on developing the standards divided into three parts:
 - Communication channel
 - Identification schemes (for EDI participants and metering points)
 - Messages, information, formats exchanged in business processes in BiH
- Scope of work formulated for each part
- A working subgroup was set up for each Scope of work
- Each working subgroup developed “its” part of the Standard
- Participation of representatives of stakeholders exchanging data in the retail market

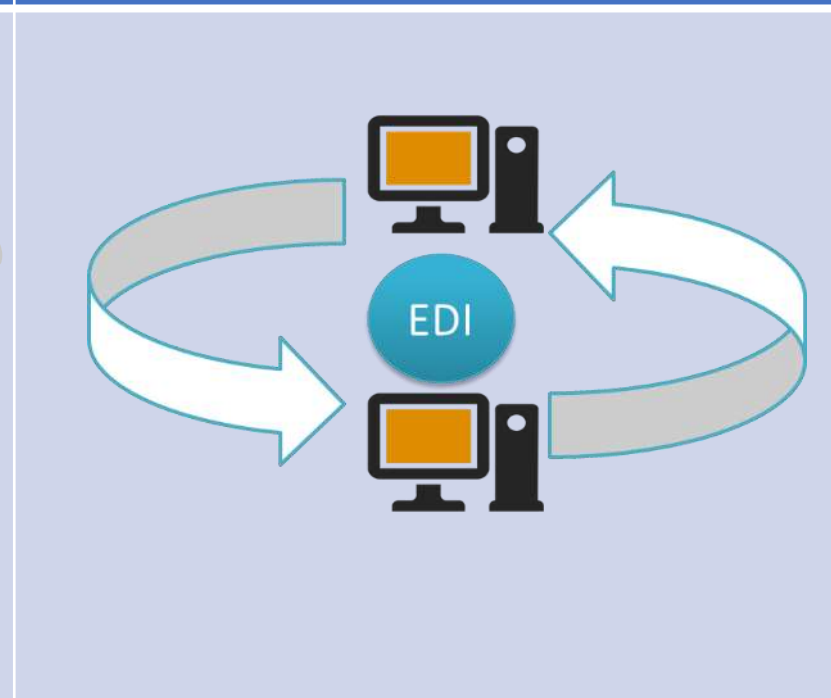
"As is" – where we are now:

- process not computerized
- paper documents
- communication: email, fax, regular post



"To be" – where we want to be:

- single EDI Standard for the BiH market
- „no paper, no people involved“

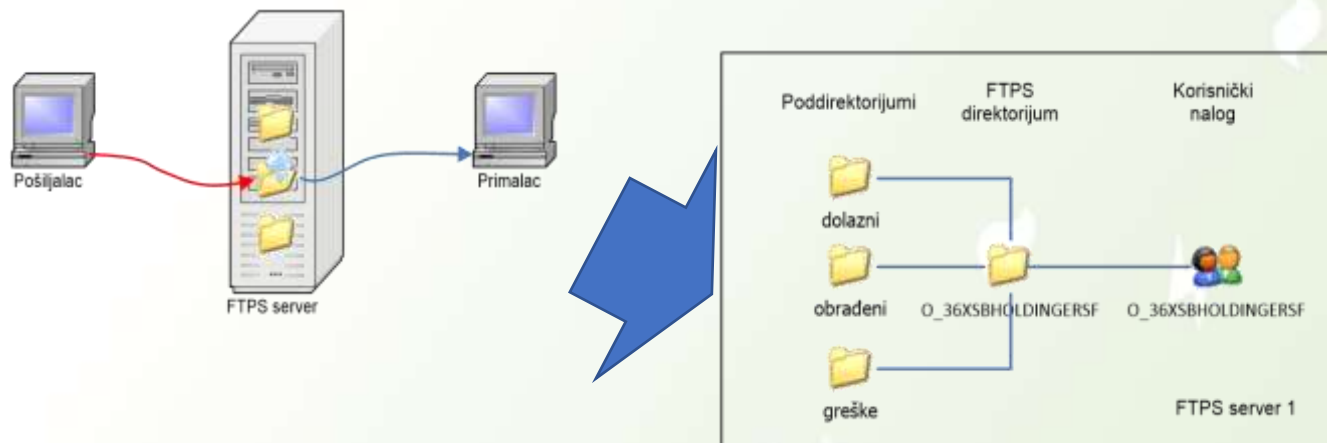


Final Outcome – Single Standard Document

- "Proposed Standard for Electronic Data Interchange in the Retail Electricity Market in BiH"
- Applicable to electronic data interchange participants in the retail electricity market in BiH
 1. Introduction
 2. Scope of application
 3. Communication channels
 4. Identification schemes used in the retail electricity market in BiH
 5. Definition of messages, their content and format
 6. Future updating of the EDI Standard

Communication Channels

- Main Communication Channel
 - FTPS, using the client - server model
- Backup communication channel
 - Simple Mail Transfer Protocol – E-mail
- Phone line



Identification schemes used in the retail electricity market in BiH – Market Participants

- Identification schemes for participants in the retail electricity market in BiH
- Each DSO assigns EIC Z codes for metering points in its jurisdiction
- EIC X codes assigned by ISO as the LIO

EIC kod
Pozicija
karaktera

3	6	X	S	B	E	R	S	-	H	O	L	D	I	N	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Definition of messages, their content and format - Methodology

- Based on the businesses processes defined in the Draft Guidelines for DSO Business Processes
- Messages exchanged among participants defined for each process
- Information content is defined for each message
- When messages have similar or identical content, they can be grouped into message "types"
- After all message types are defined, the format for their exchange is determined

Message

Header:
- Message ID
- Date
- Sender
- Receiver
Message body:
- Request ID
- Date of request
- Metering point ID
- Customer ID
- Customer name
-...

Message

Ordinal No.	Abbreviation	Sender	Receiver	Message type	Message description
1	3a	New supplier	DSO	Submitting request	Message with request containing data on eligible customer (eligible customer request)

Information contained in the message body	Restriction
Request identifier	
Date of request for switching (customer)	Date
Metering point identifier	EIC Z code
Customer identifier	
Customer name	
Metering point address	EIC X code
Metering voltage level	List
Data on metering point	
Consumption category	List
Delivery schedule	

Business processes covered by the proposed EDI Standard

Business processes taken from FERC and RSERC rules:

1. Supplier switching in RSERC/FERC jurisdiction
2. Switching from commercial to the supplier of last resort RSERC/FERC
3. Switching from commercial to public supplier RSERC/FERC
4. Securing access and connection to the DSO network RSERC
5. Energy permit and connection agreement FERC

Business processes covered by the proposed EDI Standard

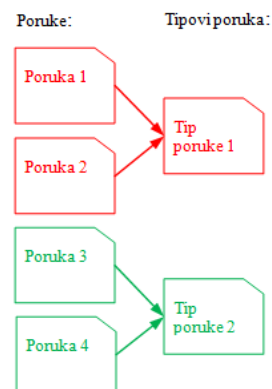
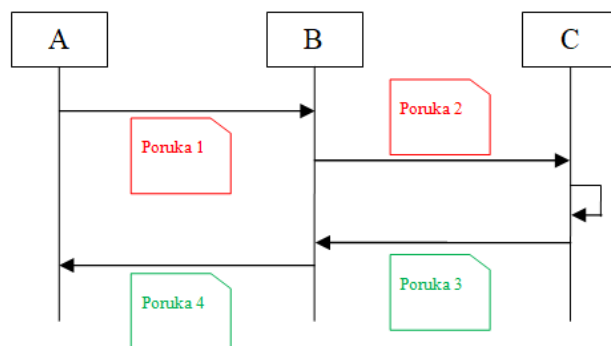
Business processes necessary for imbalance settlement:

1. Preparation and delivery of aggregated data to the balance responsible parties
2. Preparation and delivery of aggregated data to the suppliers
3. Preparation and data exchange with other DSOs
4. Preparation and data exchange with ISO BIH

Business processes covered by the proposed EDI Standard

Additional processes:

1. Preparation and delivery of billing data to the suppliers
2. Preparation and data exchange with RES Operator
3. Submission of the master data to the DSO upon request
4. Submission of the master data to the supplier upon request
5. Disconnection and connection of the metering points by DSOs

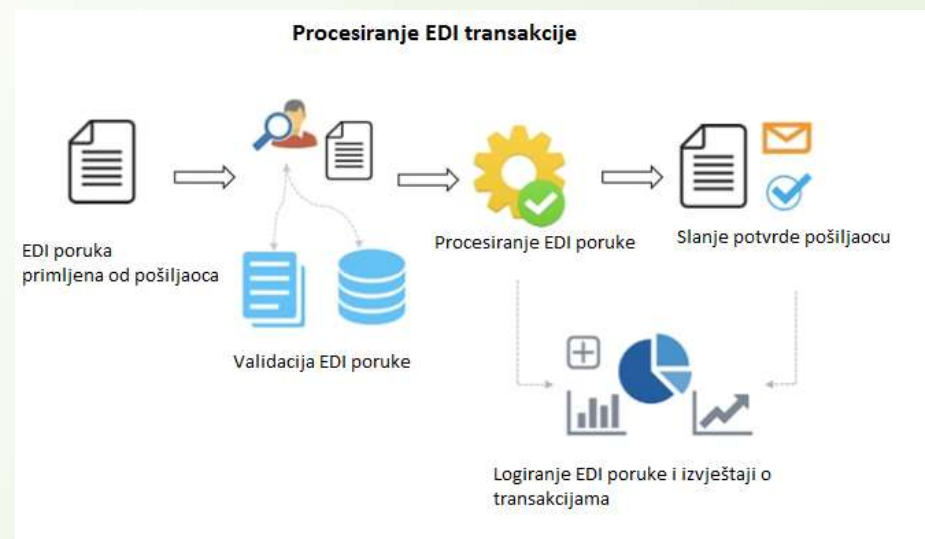


EDI messages:

- Business processes among market participants
- Message types in line with EDI Standard

Message processed at receiver's end:

- Receiving and validating EDI messages
- Sending confirmation to sender or error alert



Next Steps

- Final agreement and finalization of the Standard
- Presenting the document to the regulatory commissions for adoption
- Development of XML schemes and Annex 7 with their detailed description
- Implementation of standards by all electricity market participants

Thank you for your attention