



Common LAT - EST
Balancing Zone

IT DEVELOPMENT

Jānis Vilims, Head of IT departement.
JSC "Conexus Baltic Grid"

29.10.2019.

TOPICS

PRESENTATION OUTLINE

- Changes from current practice in Latvian balancing zone;
 - System overview and function availability timeline;
 - Demonstration of test system;
 - Q & A



BIGGEST CHANGES

Capacity booking;
Nominations;
Settlement.



PROJECT TIMELINE AND SYSTEM OVERVIEW

Communication channels;
Timeline;
Test environment.



DEMO (TEST ENVIRONMENT)

*(even some well-known
software companies have had
bad experience with this)*



FALL IS THE NEW BEGINNING

CAPACITY BOOKING

- MAIN CHANGES
IN THE PROCESS

- NO OVERNOMINATION;
- EACH REQUEST OF CAPACITY
TREATED AS REQUEST FOR
ADDITIONAL CAPACITY
(EVEN FOR THE SAME PRODUCT);
- CUSTOM-MADE MESSAGES
(CAPBKI AND CAPRES);
- USER INTERFACE
(AS4 OR CUSTOM TOOL)

CURRENT SITUATION

- OVERNOMINATION FOR
INTERRUPTIBLE WITHIN-DAY
CAPACITY AND BALTIC
CONNECTOR;
- EACH REQUEST FOR THE SAME
CAPACITY PRODUCT TREATED AS
AGGREGATED VALUE (HAVE TO
BE AT LEAST THE SAME AMOUNT);
- EDIG@S 5.1.5 STANDARD
MESSAGES (AUCBID AND
AUCRES);
- USER INTERFACE
(WEB PAGE OR AS4);
- MINIMUM VALUE

COMMON ZONE

NOMINATIONS

RE- NOMINATIONS

- MAIN CHANGES IN THE PROCESS

- VALUES IN kWh/d;
- NO RENOMINATION RESTRICTIONS DURING GAS DAY;
- ANY NUMBER OF POINTS IN MESSAGE. NEXT MESSAGES SHALL HAVE AT LEAST THE SAME POINTS INCLUDED. ONE TIMESERIE;

CURRENT SITUATION

- VALUES IN kWh/h (except for TRADE NOTIFICATIONS on VTP);
- NO RENOMINATION FOR PREVIOUS HOURS. NEXT HOUR RENOMINATION RESTRICTIONS BASED ON FLAT TECHNICAL CAPACITY PROFILE. INTERRUPTIBLE CAPACITY PRODUCT ON POINTS WITH CAPACITY BOOKING;
- EXACTLY ONE POINT IN ONE MESSAGE. SEVERAL TIMESERIES.

COMMON ZONE

ALLOCATIONS

BALANCING

- MAIN CHANGES IN THE PROCESS

- ALL VALUES IN kWh/d;
- ACCSIT AND ALLOCAT MESSAGES USED FOR ALLOCATIONS AND ACCOUNT SITUATION;
- NO BALANCING BID AND OFFER MESSAGES.
- VALUES IN kWh/d AND kWh/h BASED ON INFORMATION TYPE;
- MARSIT USED FOR: ACCOUNT SITUATION; ALLOCATIONS; OTHER MARKET INFORMATION BASED ON AVAILABILITY;
- BALANCING BID AND OFFER AUTOMATION.

CURRENT SITUATION

COMMON ZONE

SETTLEMENT

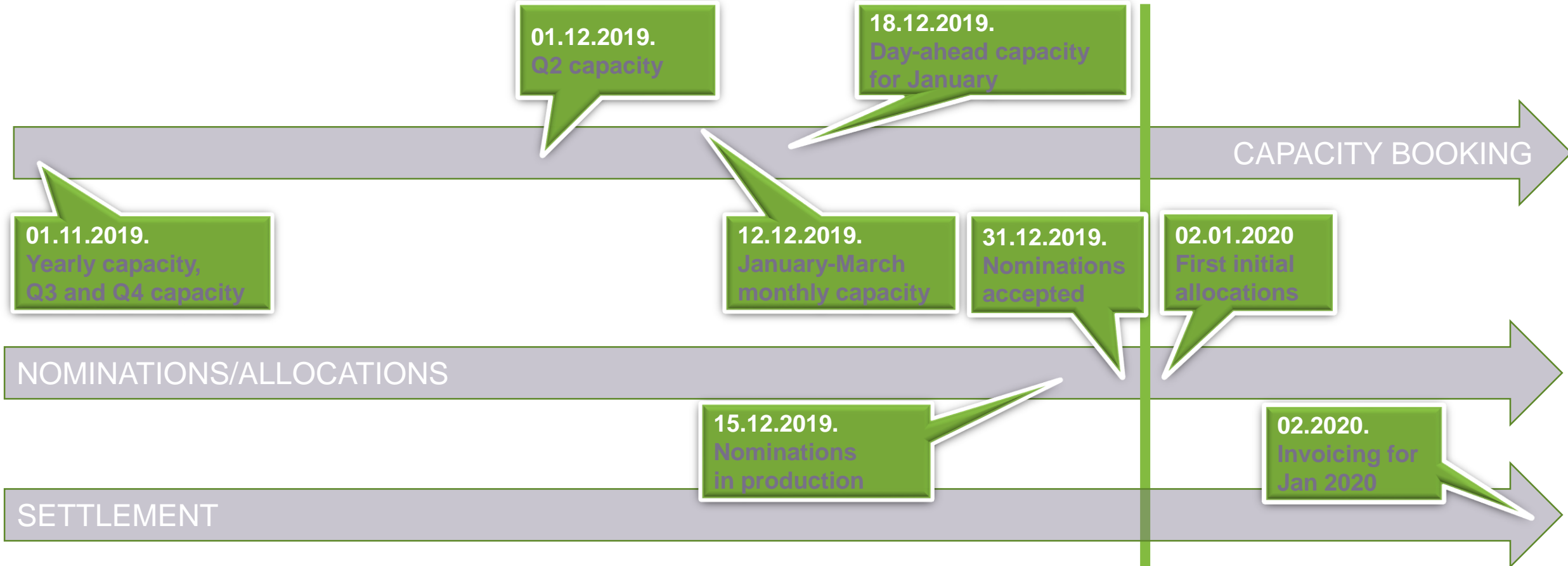
- MAIN CHANGES IN THE PROCESS

- NO NEUTRALITY CHARGE;
- NO RECONCILIATION.

CURRENT SITUATION

- NEUTRALITY CHARGE (FLAT PRICE PER MONTH, CAN BE EITHER DEBIT OR CREDIT);
- RECONCILIATION FOR EXIT TO ESTONIAN LOCAL CONSUMPTION (UP TO 3 MONTHS).

COMMON ZONE



PROJECT TIMELINE AND SYSTEM OVERVIEW

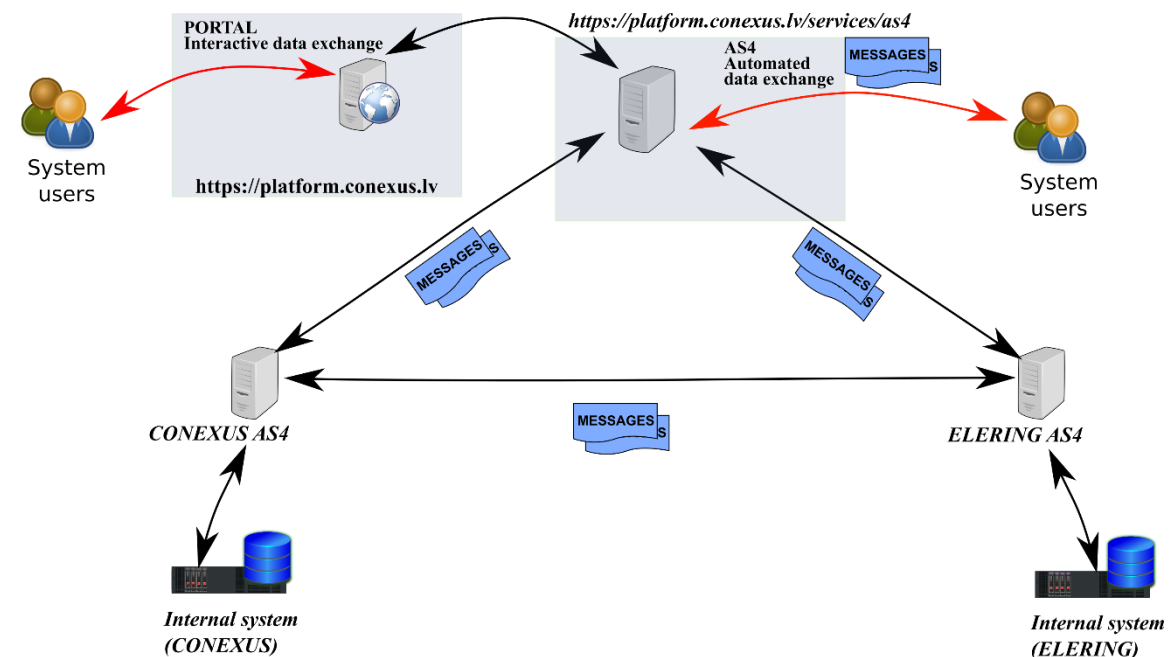
PROJECT TIMELINE AND TECHNICAL OVERVIEW OF THE SYSTEM.



Current status:

Capacity booking process available on test environment;

Production environment availability – 01.11.2019.



PRODUCTION ENVIRONMENT:

Web access: <https://platform.conexus.lv>

AS4 data exchange: <https://platform.conexus.lv/services/as4>

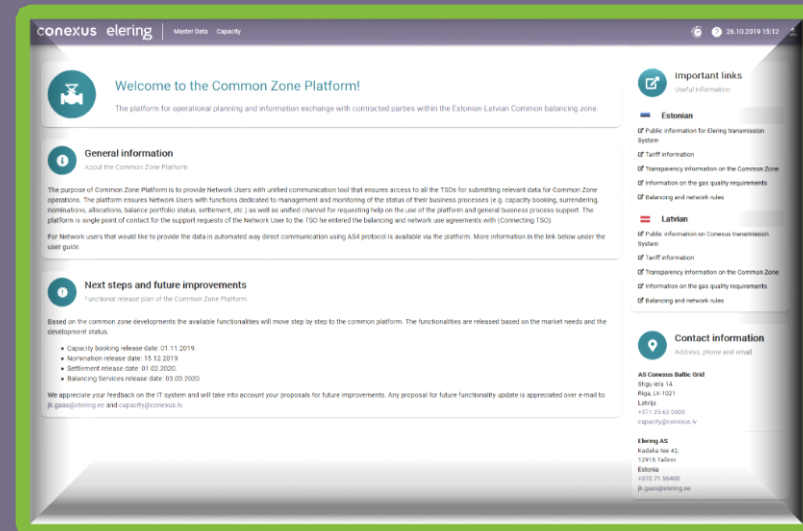
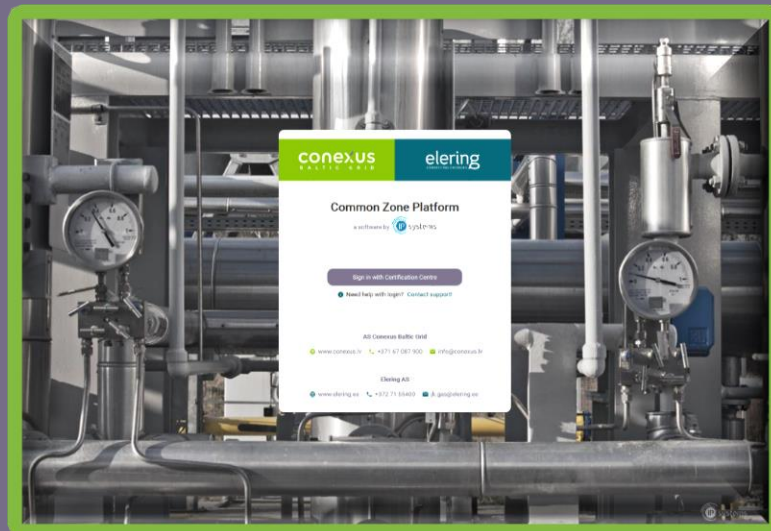
TEST ENVIRONMENT:

Web access: <https://bcgp-test.conexus.lv>

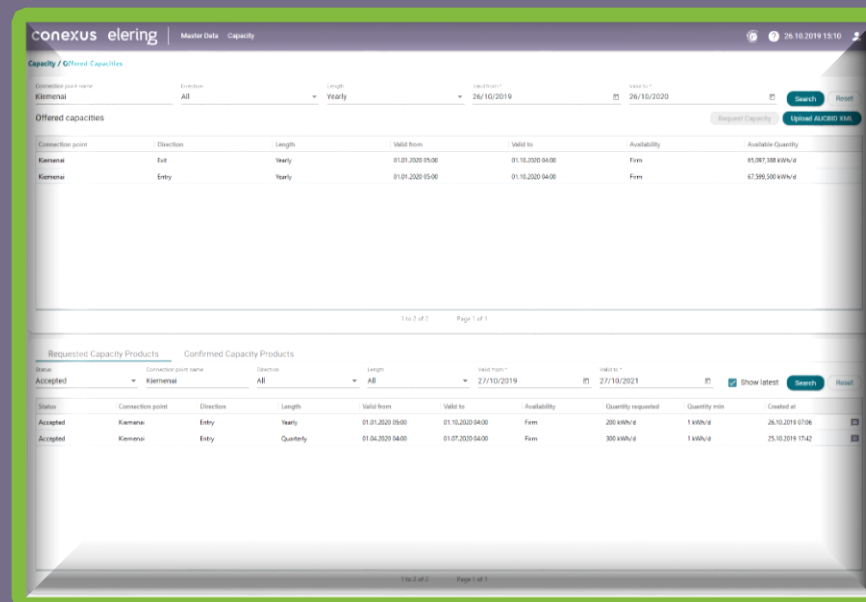
AS4 data exchange: <https://bcgp-test.conexus.lv/services/as4>

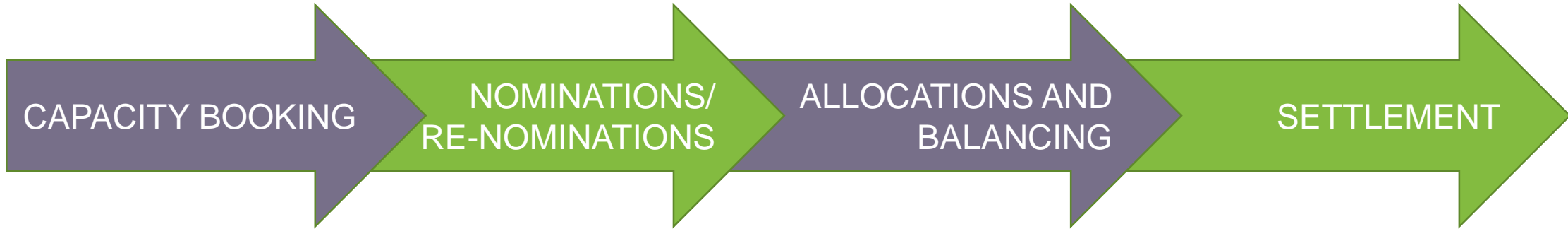
DEMO

DEMONSTRATION OF TEST SYSTEM



- <https://bcgp-test.conexus.lv>





- EACH BOOKING REQUEST AS AGGREGATED VALUE PER PRODUCT;
- OVERNOMINATION FOR BALTICCONNECTOR;
- MINIMUM VALUE.

- VALUES IN kWh/h;
- RENOMINATION RESTRICTIONS BASED ON kWh/h LIMITS;
- ONE POINT IN ONE MESSAGE.

- INFORMATION PROVISION – ALL POINTS IN ZONE WITH ALOCATIONS;
- INTRODUCTION OF MARSIT MESSAGE INSTEAD OF ALOCAT AND ACCSIT.

- RECONCILIATION;
- NEUTRALITY CHARGE.

COMMON ZONE IT SYSTEM KEY POINTS

TEST SYETEM AVAILABLE FOR ALL MARKET PARTICIPANTS:

<https://bcgp-test.conexus.lv>

Application for user(-s): capacity@conexus.lv

THANK YOU FOR YOUR ATTENTION Q & A

www.conexus.lv

janis.vilims@conexus.lv

platform@conexus.lv

capacity@conexus.lv