



XONTRO
Interface Adaptations
(English Version)

CSDR & CBF SET-GO
Newsletter 03.01

BrainTrade GmbH
Börsenplatz 4
60313 Frankfurt/Main

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(Slides updated: 50, 51)

Postponement of Planned CSDR Implementation

- This newsletter is to inform the BrainTrade participants that the scheduled datelines having been published in the CSDR Newsletter 01 dated May 22nd, 2020, will be postponed.
- One reason for this is the one year delay of the „CSDR RTS on Settlement Discipline“ introduction having been communicated on August 28, 2020. The introduction is to be launched on February 1st, 2022.
<https://www.esma.europa.eu/press-news/esma-news/esma-proposes-further-postpone-csdr-settlement-discipline>
- One further reason lies in the implementation of the requirements having been raised by the Clearstream Banking AG initiated project „SET-GO“, which, among others, provides for the migration of the LION interface. Details regarding the „SET-GO“ project may be retrieved from your CBF contacts.
- As, within the framework of the CBF „SET-GO“ project, certain program parts being in need to be expanded, based on the grounds of the CSDR demands, will have to be adapted anyway, it has been decided by BrainTrade to combine the modifications from both areas into one release.

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Introduction

- The aim of this document is to highlight, in a compact form, the relevant interface and system adaptations needed for the realisation of the CSDR demands in XONTRO, to the financial institutes and intermediaries.
- The structure of the document is based on its main themes. This means that, after the relevant CSDR issue will have been presented (in grey), the corresponding interface implementation will be discussed for SAKI-FIX (in yellow), SAKI-SWIFT (in green), and for the system connection for brokers (QSAM, in purple). The document is concluded by a presentation of the 3270 dialog modifications for financial institutes (KI), as well as for financial intermediaries (FSP), followed by a preliminary time schedule.
- The interface format definitions have been discussed in detail between the XONTRO exchange carriers, Bayerische Börse AG, Boerse Stuttgart GmbH, and Tradegate AG. Independently thereof, it is possible for the implementation of specific details to be treated in a differential manner, due to reasons of the corresponding market models, or due to the underlying technical infrastructure.
- Details regarding the implementation are to be taken from the current system documentation which may be retrieved under www.xontro.de.

Legal Framework

- Regulation (EU) No 909/2014 of the European Parliament and of the Council of 23 July 2014 on improving securities settlement in the European Union and on central securities depositories and amending Directives 98/26/EC and 2014/65/EU and Regulation (EU) No 236/2012 (ABl. No. L 257, page 1, 2016; No. L 349, page 5; Celex-No. 3 2014 R 0909)
- Art. 3 of the Regulation (EU) 2016/1033 of the European Parliament and of the Council of 23 June 2016, amending Regulation (EU) No 600/2014 on markets in financial instruments, Regulation (EU) No 596/2014 on market abuse and Regulation (EU) No 909/2014 on improving securities settlement in the European Union and on central securities depositories (ABl. No. L 175, page 1)
- Other directives resp. regulations in connection with Regulation (EU) No. 909/2014, such as, e.g., ESMA RTS (2018/1229 - Settlement Discipline)
- ESMA's Q&As concerning CSDR, last time modified on 11 July 2019

Subject Matter and Scope

Regulation (EU) No 909/2014 of the European Parliament and of the Council of 23 July 2014 on improving securities settlement in the European Union and on central securities depositories („CSDR“):

Article 1 – Subject matter and scope

- 1. This Regulation lays down uniform requirements for the settlement of financial instruments in the Union and rules on the organisation and conduct of central securities depositories (CSDs) to promote safe, efficient and smooth settlement.
- 2. This Regulation applies to the settlement of all financial instruments and activities of CSDs unless otherwise specified in this Regulation.

CSDR Implementation in XONTRO

- The implementation of the CSDR demands within XONTRO mainly consists of the inclusion of the field „Segment MIC“ across all participants‘ groups, as well as across all trade interfaces, including the submission of this field onto Clearstream Banking (CBF) via the LION interface.
- Even ´though the modification covers the inclusion of „only“ one additional data field, nevertheless the entire XONTRO Trade functionalities will be affected by this measure.

CBF Project SET-GO

Introduction



CBF SET-GO Implementation in XONTRO

- The implementation of the CBF „SET-GO“ project demands within XONTRO mainly consists of the acceptance of the „WKN“ field within the „printed contract notes“ – the WKN field is already contained in the SWIFT and FIX contract notes messages.
- Within this framework, the „WKN“ (Wertpapierkennnummer) will be re-activated, in addition, within the LION file being transferred from BrainTrade onto CBF on a daily basis. This modification bears no influence upon the XONTRO member user interfaces.
- In addition to that, the allocation of a new CSV „Aufgaben“ file is planned. This planned file transfer is to replace a list of Aufgaben (pending trades) presently being produced by CBF and transmitted onto the financial institutes. CBF have announced to suspend this service within the SET-GO project framework.

CSDR & CBF Project SET-GO

Introduction



CSDR and CBF SET-GO Implementation in XONTRO

- With regards to the XONTRO implementation and timely realisation of both measures, the following key milestone datelines will be assumed:
 - Simulation system (IMS27) setup 05.04.2021 (*planned*)
 - Production system (IMS1) setup 24.05.2021
 - Settlement Discipline Regime setup launch (by CBF) 01.02.2022

CSDR & CBF Project SET-GO

Introduction



Abbreviations Used in This Document

- BT = BrainTrade
- CBF = Clearstream Banking (Frankfurt) AG
- CSDR = Central Securities Depositories Regulation
- FSP = Financial Services Provider (Freelance Broker or Pricing Intermediary)
- KI = Financial Institute / Bank
- MIC = Market Identifier Code (ISO 10383)
(particularly using the value “market segment MIC”)
- SET-GO = Project of Clearstream Banking (Frankfurt) AG

XONTRO
Interface Adaptations

Regulatory Framework

Explanations Regarding the MIC (ISO 10383)

- **What is the purpose of the MIC?**
The purpose of the MIC is to identify entities such as exchanges, trading platforms, regulated or non-regulated markets and trade reporting facilities as sources of prices and related information.
- **What is a “market segment MIC”?**
A market segment MIC is a MIC which identifies a section of one of the above entities that specialises in one or more specific instruments or that is regulated differently. Each market segment MIC has a parent MIC which is called the “operating MIC”.
- **What is an “operating MIC”?**
An operating MIC identifies the entity operating an exchange, trading platform, regulated or non-regulated market or a trade reporting facility in a specific country; it is the ‘parent’ MIC

KI – General Framework

Trade Entries

- Independently from the entry path having been chosen (FIX, SWIFT, or 3270 dialog), along with the OTC trade entry done by a financial institute, a segment MIC of a „Non XONTRO Exchange Platform“ may be entered; the entries will be checked for plausibility. The segment MIC having been entered and checked for formal correctness will be forwarded onto CBF via the LION file with no modifications.

CBF accepts and processes these trades, bearing a valid segment MIC, as „on-exchange trades“ as viewed by the CSDR.

FSP – General Framework

Trade Entries

- Along with a trade entry done by a financial services provider (freelance broker or pricing intermediary), independently from the entry path chosen (QSAM or 3270 dialog), a segment MIC of a „NON XONTRO Exchange Location“ may only be entered along with a „complete trade“, i.e. buy side and sell side being present, no „pending trade“ („Aufgabe“) participation allowed, a valid trading member (bank) being present on both sides. The entries will be subject to plausibility checks. In all other cases, the entry of a segment MIC will be rejected by the system.

The segment MIC having been entered and formally checked will be submitted onto CBF via the LION file unchanged. CBF interprets and processes these trades bearing a valid segment MIC as „on-exchange“ as defined by CSDR.

FSP – General Framework

Pending Trades („Aufgaben“) by Pricing Intermediaries and Freelance Brokers:

- Within XONTRO, it is not allowed to enter Aufgaben (pending trades) or „half trades“ for a „NON XONTRO venue“. MAX-ONE Aufgaben are, however, treated as XONTRO Aufgaben within the further XONTRO Trade processing.
- Trades arising from the closure of Aufgabe positions (Aufgabe-Schliessung) in ISINs where the entering broker is also pricing intermediary will be augmented by the segment MIC of the corresponding XONTRO venue.
- Trades arising from the closure of Aufgabe positions in ISINs where the entering broker is also a freelance broker will be forwarded onto CBF without a segment MIC.

FSP – General Framework

On-Exchange Trades Arising from Price Fixings Done by the Pricing Intermediary:

- On-exchange trades resulting out of a price fixing procedure will automatically be augmented by the corresponding segment MIC within the XONTRO system.

XONTRO
Interface Adaptations
SAKI-FIX - SAKI-SWIFT - QSAM

CSDR & CBF Project SET-GO

XONTRO – Interface Adaptations – Overview



Relevant Areas of the CSDR Implementation

- | | |
|--|--------|
| ■ 1 – Trade Entry Interfaces | CSDR |
| ■ 2 – Trade Entry Interfaces for MAX-ONE | CSDR |
| ■ 3 – Trade Output Interfaces | CSDR |
| ■ 4 – Trade Lists | |
| - Printed Contract Notes | CSDR |
| - CSV „Aufgaben“ (Pending Trades) File | SET-GO |

1 – Trade Entry Interfaces

- CSDR

1 - KI - Extension SAKI FIX (4.2)	TradeCaptureReport (UAE)
2 - KI - Extension SAKI FIX (4.4)	TradeCaptureReport (AE)
3 - KI - Extension SAKI SWIFT	Direct OTC Trade Entry (MT511)
4 - KI – Extension 3270 Dialog	BxEG EW Function
5 - FSP - Extension QSAM	BC_ENTER_SINGLE_TRADE_RID
6 - FSP – Extension 3270 Dialog	BxEM GE and PE Function

2 – Trade Entry Interface for MAX-ONE

- CSDR

1 - FSP - Extension QSAM

BC_ENTER_EXCHANGE_TRADE_RID

3 – Trade Output Interfaces

- CSDR

1 - KI - Extension SAKI FIX (4.2)	TradeCaptureReportSno (USN)
2 - KI - Extension SAKI FIX (4.4)	TradeCaptureReportSno (USN)
3 - KI - Extension SAKI SWIFT	Contract Note (MT512)
4 - KI – Extension 3270 Dialog	BxAG AL Function
5 - FSP - Extension QSAM	BC_INQUIRE_BROKER_DIARY_STREAM_TYPE
6 - FSP – Extension 3270 Dialog	BxEM MT Function

CSDR & CBF Project SET-GO

XONTRO – Interface Adaptations – Detailed Description



4 – Trade Lists

- CSDR

- 1 - KI – Allocation of „Printed Contract Notes“

- SET-GO

- 2 - KI – Allocation of new CSV „Aufgaben“ (Pending Trades) File via File Transfer

Relevant Areas - KI - SAKI FIX (4.2)

- 1 – Trade Entry Interface

TradeCaptureReport (UAE)

CSDR - Structural Extension

- TradeInputSource (Tag = 578, Type: String)
Type of input device or system from which the trade was entered.
- No Response Extension *TradeCaptureReportAck (UAR)*

Relevant Areas - KI - SAKI FIX (4.2)

- 2 – Trade Output Interface

TradeCaptureReportSno (USN)

CSDR - Structural Extension

- TradeInputSource (Tag = 578, Type: String)

Type of input device or system from which the trade was entered.

Relevant Areas - KI - SAKI FIX (4.4)

- 1 – Trade Entry Interface

TradeCaptureReport (AE)

CSDR - structural Extension

- TradeInputSource (Tag = 578, Type: String)
Type of input device or system from which the trade was entered.
- No response extension *TradeCaptureReportAck (AR)*

Relevant Areas - KI - SAKI FIX (4.4)

- 2 – Trade Output Interface

TradeCaptureReportSno (USN)

CSDR - Structural Extension

- TradeInputSource (Tag = 578, Type: String)

Type of input device or system from which the trade was entered.

Relevant Areas - KI - SAKI SWIFT

- 1 – Trade Entry Interface

Bank Direct OTC Trade

MT511

Structural Extension Tag 31P:

- Segment MIC of trading venue
- Reporting trading venue

/[4x]

/[3x] *(Extension, but not relevant for CSDR)*

Description of MT511, Tag 31P (forecast):

MT 511 Direct-banking-Trade			
O / M	label	Data description	Format
M	31P	Exchange location	3x/[6n]/[6n]/[6n]
		Trade date (YYMMDD)	[/2a6n][2a][1x3n]
		Trade time (HHMMSS)	[3n]/[4x]/[3x]
		(Deviant) Trade date (YYMMDD)	
		Fixed value flag	
		FZ value versus payment (DVP)	
		Date of fixed value (settlement date)	
		Flag emission	
		EM emission-trade	
		Interest days with algebraic sign	
		Discount days	
		Trading venue segment MIC	
		Trading venue of reporting	

Relevant Areas - KI - SAKI SWIFT

- 2 – Trade Output Interface

Contract Note *MT512*

Structural Extension Tag 30:

- Segment MIC of trading venue /[4x]

Zukünftige MT512 Beschreibung

von Etikett 30:

M	30: Weitere Abschlussangaben	6n/[6n]/[3x]/[2a]/[1a] /[4x]/[3x]/[4x]
	- Datum-Festvaluta (JJMMTT) oder <u>Dummywert</u> '000000', falls keine Eingabe erfolgt ist	6n
	- Eingabe-Uhrzeit (HHMMSS)	/[6n]
	- Börsenplatz des Meldewesens	/[3x]
	- Kennzeichen für Abweichendes Abschlussdatum 'AA'	/[2a]
	- Kennzeichen "Abwicklungsgeschäft"	/[1a]
	- MIC Venue	/[4x]
	- OTC Post-Trade Indikator	/[3x]
	- Segment-MIC der Handelsplattform	/[4x]

Relevant Areas – FSP – System Connection for Brokers (QSAM)

- 1 – Trade Entry Interface

BC_ENTER_SINGLE_TRADE_RID

Structural Extension - bc_request_enter_single_tradeT

- venueSegMic char[4]

- 2 – Trade Output Interface (only for MAX-ONE specialist)

BC_ENTER_EXCHANGE_TRADE_RID

Structural Extension - bc_request_enter_exchange_tradeT

- venueSegMic char[4]

Relevant Areas – FSP – System Connection for Brokers (QSAM)

- 3 – Trade Output Interface (Inventory data transfer)

BC_INQUIRE_BROKER_DIARY_STREAM_TYPE

Structural Extension - bc_diaryT

- venueSegMic char[4]

- 4 – Trade Output Interface (Broadcast)

BCBE_BROKER_DIARY

Structural Extension - bc_diaryT

- venueSegMic char[4]

Relevant Areas – FSP – System Connection for Brokers (QSAM)

- *venueMic* char[4] – Stock data field

Field Description Modification in the QSAM-API

MIC (Market Identifier Code) of Trading Venue resp. the trading segment of a trading venue in the sense of MiFID II Regulation.

- *venueSegMic* char[4] – new field

New entry of the field in the QSAM-API

MIC (Market Identifier Code) of Trading Segment of a Trading Venue in the sense of the CSDR Regulation.

XONTRO
System Adaptations
- 3270 Dialog Functionalities -

KI – Trade Entries

BxEG EW

- The Segment MIC entry should be done in the Zusatzangaben (additional entries) of the 3270 dialog header line using the character string „MI“, followed by a four-character Segment MIC.

The person doing the entry will be held responsible for the correctness of the entry. Therefore, the segment MIC having been entered will only be checked formally for the length of four digits.

KI – Trade Entry – Securities-Related (Wertpapierbezogen)

BxEG EW

- Entry options extension for „Segment MIC“ in the Additional Options (Zusatzangaben) line

TRAN: BREG FC: EW SB:			
XONTRO / EINGABE WERTPAPIERBEZOGEN			4002/99 RUCKZUCK BAN
GATTUNG	KURS	ZUSATZANGABEN	
.....	MIxxxx	
.....	
GA NOMINALE	KONT	AU	ZUSATZANGABEN
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

KI – Contract Note Display

BxAG AL

- Extension by display field „Segment MIC“

```

TRAN: BRAG FC: AL SB: J#G#####
XONTRO / ANZEIGE NACHWEISE (LANGFORM)                4002/99 RUCKZUCK BAN
VERKAUF - DIREKTGESCHAEFT                            ABRUF-NR.: G      1      US-ID: 192799
GNR           : D 191119 0000001
DE0007100000 DAIMLER AG NA O.N.
NOM.: ST      100
KURS   : 50,0000      K-WERT: 5.000,00
V-ART: GS
KONT.: 4015 HSBC TRINKAUS + BURKHARDT AG
EING.: 4002 RUCKZUCK BANK AG
ABR.-BETRAG: 5.000,00      EUR
MIC: xxxx
EINGABE: 19.11.19 14.48.03      COURT.: 0,00
ABSCHLUSS: 19.11.19 12.00.00 AB
    
```

KI – Cancellation of Trades

With regards to the cancellation of trades, the following statements will become valid:

- If, in the course of a trade cancellation, the segment MIC will have to be modified, then the trade will have to be cancelled first using the 3270 dialog function BxEG ES, and then to be entered anew using the modified segment MIC, using the function BxEG EW.

FSP – Trade Entry

BxEM GE and PE

- The Segment MIC entry should be done in the Zusatzangaben (additional entries) of the 3270 dialog header line using the character string „MI“, followed by a four-character Segment MIC.

The person doing the entry will be held responsible for the correctness of the entry. Therefore, the segment MIC having been entered will only be checked formally for the length of four digits.

FSP – Trade Entry

BxEM GE – Trade Entry

- Extension by the option to enter the Segment MIC in the Additional Specifications (Zusatzangaben) line:

```

TRAN: BREM FC: GE SB:

XONTRO TRADE / EINGABE VON GESCHAEFTEN           4123/00 DUESSELMAKLER
GATTUNG      KURS      ZUSATZANGABEN           SEITE 1
.....
.....      MIxxxx
.....

GA NOMINALE      KONT  AU  ZUSATZANGABEN
. ....
. ....
. ....
. ....
. ....
. ....
. ....
. ....
. ....
. ....
. ....
. ....

DIFFERENZ:            KAUF:            VERKAUF:
  
```


FSP – Trade Display – Broker’s Diary Online Version

BxEM MT

- Extension by the output field „Segment MIC“

```
TRAN: BREM FC: MT SB: J#####D  
  
XONTRO TRADE / INFO-MAKLER-TAGESGESCHAEFTSLISTE           4123/00 DUESSELMAKLER  
  
DE0007664005 VOW VOLKSWAGEN AG ST O.N.  
  
GESCHAEFTSNUMMER      NOMINALE      AN      KURS      VON      KURS  
D 2607 1000003          300  4003      500,000    4001      500,000  
AUK1444 AUV1234 AB MIxxxx  
D 2607 1000004          200  4004      500,000    4001      500,000  
AUK1000 AUV1234 AB  
D 2607 1000005          100  4005      500,000    4002      500,000  
AU1234 AB MIxxxx  
  
KURS-DIFF.:           0,00  COURTAGE:           360,00  NOMINALE:
```


FSP – Trade Display – Broker's Diary Printed Version

Broker's Diary Printed Version

- Note:

The extension by a new output field „Segment MIC“ will not be provided, as seen from the present viewpoint.

FSP – General Framework – Cancellation of Trades

With regards to the cancellation of trades, the following statements will become valid:

- If, in the course of a trade cancellation, the segment MIC will have to be modified, then the trade will have to be cancelled first using the 3270 dialog function BxEM ST, and then to be entered anew using the modified segment MIC, using the function BxEM GE or BxEM PE.

CBF Projekt SET-GO

XONTRO – System Adaptations – 3270 Dialog



FSP – Trade Display – Broker’s Diary Printed Version

Broker’s Diary Printed Version

- Note:

The extension by a new output field „WKN“ (Old German Wertpapierkennnummer) will not be provided, as seen from the present viewpoint.

XONTRO
System Adaptations
- Lists & Files -

KI – Trade Display – Printed Contract Notes

Contact Notes Printed Version

- Extension by Output Field „Segment MIC“

```
1234 RUCKZUCK BANK
ABRUF-NR.: G      1      US-ID: 192799
VERKAUF - DIREKTGESCHAEFT      GNR      : D 191119 0000001
DE0007100000 DAIMLER AG NA O.N.
NOM.: ST      100
KURS      : 50,0000      K-WERT: 5.000,00
KONT.: 1567 BAD-Bank GmbH
EING.: 1234 RUCKZUCK BANK AG
ABR.-BETRAG: 5.000,00      EUR
MIC: xxxx
EINGABE: 19.11.19 14.48.03      COURT.:      0,00
ABSCHLUSS: 19.11.19 12.00.00 AB
```

CBF Project SET-GO

XONTRO – System Adaptations – Lists



KI – CSV „Aufgaben“ (Pending Trades) File

Allocation of a new CSV Aufgaben File

- This file transfer will replace the „Lieferliste Offene Aufgaben“ presently being generated by CBF and being distributed onto the financial institutes. CBF has announced to terminate this service as of 14.06.2021 (NCSC) resp. as of 22.11.2021 (CSC/NCSC-T) within the SET-GO project framework. The substitute data source will be provided by BrainTrade latest in June 2021.
- The file will be generated using the CSV format including column headers.
- The file distribution resp. the provision will be done using the familiar file transfer tools (BT File Service, CMA Spool, connect:direct); these should be applied for at BrainTrade via a new application form sheet. The form sheet will be provided in due time.

CBF Project SET-GO

XONTRO – System Adaptations – Lists



KI – CSV „Aufgaben“ File

File Structure

■ KV-NUMBER-OF-TRADING-PARTICIPANT	num	[4]
KZ-AUFGABEN-STATUS (aufgabe status flag)	char	[1]
ISIN	char	[12]
AUFGABEN-NR (aufgabe trade id)	num	[7]
SCHLUSSTAG (date of contraction)	num	[8]
EINGEBER (issuer)	num	[4]
BOERSENPLATZ (exchange location)	char	[3]
KURS (price)	snum	[13] *
NOMINALE (nominal amount)	num	[17] **
AUSM-BETRAG (resulting amount)	snum	[17] ***
WRG-AUSM-BETRAG-AUFG (currency of resulting amount)	char	[3]
KZ-AUFGABEN-ART (type of aufgabe flag)	num	[3]
EINGABE-DATUM (entry date)	num	[8]
TAGES-ZAEHLER (daily counter)	num	[3]
KZ-TAGESGESCHAEFT (current daily trade flag)	num	[3] ****

[in Xitaro = KV-NUMBER-OF-QLP]

** = For a detailed explanation, kindly cf. the following slides

CBF Project SET-GO

XONTRO – System Adaptations – Lists



KI – CSV „Aufgaben“ File

File Structure – Explanations: „*“ thru „****“

- **KURS**
(price) snum[13]*
13 digits altogether:
algebraic sign, 7 integer places, decimal point, 4 decimal places

- NOMINALE**
(nominal amount) num[17]**
17 digits altogether:
12 integer places, decimal point, 4 decimal places

- AUSM-BETRAG**
(resulting amount) snum[17]***
17 digits altogether:
algebraic sign, 13 integer places, decimal point, 2 decimal places

- KZ-TAGES-
GESCHAEFT**
(current daily
trade flag) num[3]****
to be used by Xitaro only

**Timeline and
Contact Staff**

CSDR & CBF Project SET-GO

XONTRO – Interface Adaptations – Timeline



Timeline – SAKI SWIFT, SAKI FIX, SNO-DT, Dialog

Customer Information - CSDR NL 03			30.10.2020 ✓
XONTRO-SAKI-Fix – RoE – Planning	(Version 2.3.8)		30.10.2020 ✓
XONTRO-SAKI-SWIFT – TA – Planning	(Version 5.56)		30.10.2020 ✓
XONTRO-SAKI-SWIFT – SNO-DTA – Planning	(Version 21.6)		30.10.2020 ✓
XONTRO-SAKI-Fix – RoE – Planning	(Version 2.3.8)	<i>no changes</i>	04.12.2020 ✓
XONTRO-SAKI-SWIFT – TA – Planning	(Version 5.56)	<i>no changes</i>	04.12.2020 ✓
XONTRO-SAKI-SWIFT – SNO-DTA – Planning	(Version 21.6)	<i>no changes</i>	04.12.2020 ✓

Note: No new SWIFT converter version delivery towards the SAKI customers is planned by MSG company

Start Simulation	XONTRO Release tbd	05.04.2021
Start Production	XONTRO Release tbd	24.05.2021
CSDR penalty measures to come into effect by CBF		01.02.2022

CSDR & CBF Project SET-GO

XONTRO – Interface Adaptations – Timeline



Timeline – QSAM - Release 02

XONTRO Modification Announcement	(CSDR & SET-GO Newsletter 03)		30.10.2020 ✓
XONTRO Values API - Planning	(Version 02.01)		30.10.2020 ✓
XONTRO Member Simulation Guide	(Version 02.01)		04.12.2020 ✓
Security Administration Guide	(Version 01.01)	<i>no changes</i>	04.12.2020 ✓
XONTRO Values API - Programming	(Version 02.02)		04.12.2020 ✓
XONTRO Technical Description	(Version 01.06)	<i>no changes</i>	04.12.2020 ✓
XONTRO Header-Files			05.03.2021
XONTRO Values API - Final			05.03.2021
Start Simulation	XONTRO QSAM - Release 02		05.04.2021
Start Production	XONTRO QSAM - Release 02		24.05.2021
CSDR penalty measures to come into effect by CBF			01.02.2022

CSDR & CBF Project SET-GO

BrainTrade – CSDR – Team



CSDR - Team

- Dr. Sebastian Störmer
+49 (0)69 – 589978 – 140
sebastian.stoermer@xontro.de
- Markus Sperzel
+49 (0)69 – 589978 – 100
markus.sperzel@xontro.de
- Armin Latell (QSAM)
+49 (0)69 – 589978 – 170
sam@xontro.de