



Swiss Exchange

SWXess Interface Availability Factsheet

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1 General

1.1 Links

Description	URL
SWXess Environment Calendar	https://www.six-group.com/en/products-services/the-swiss-stock-exchange/market-data/news-tools/environment-calendar.html
Production Exchanges Hours	https://www.six-group.com/en/products-services/the-swiss-stock-exchange/trading/trading-provisions/trading-hours.html
Membertest Trading Hours	https://www.six-group.com/dam/download/the-swiss-stock-exchange/trading/trading-provisions/trading-hours/Trading_Hours_Membertest.pdf
SWXess Public Configuration (IP addresses of the interfaces)	https://secure.six-swiss-exchange.com/member_section/swxess_public/normal.html
SWXess Testing Services	https://secure.six-swiss-exchange.com/member_section/swxess_testing.html

1.2 Technical Product Support

If you have any questions, please contact your Local Support Center:

Location	Phone	E-Mail
Local Support Center Zurich	+41 58 399 2400	lsz@six-group.com
Local Support Center Geneva	+41 58 399 5642	lsg@six-group.com
Local Support Center London	+44 20 7864 4364	lsl@six-group.com

1.3 Error Codes

For orders entered during Maintenance Mode, the following error codes are returned:

Interface	Error Code
STI	Execution Report "150:ExecType = 8 (Rejected), 39:OrdStatus = 8 (Rejected), 58:Text = 201 Application closed for Input"
OTI	"R" (The order is not allowed at this time.)
QTI	"R" (Quote not allowed at this time.)

1.4 Time Zone

All times in this document are Central European Time (CET).

2 Connectivity

2.1 Connectivity Status



UP (network is available, interruptions neither known nor planned)



MAINTENANCE (maintenance work, announced and unannounced, could happen during this period)

2.2 SCAP Connectivity Options

The SCAP network can be reached via these Connectivity Options:

- Internet
- Managed IP Service
- Ethernet Service
- Optical Link
- SIX Managed Proximity Service
- Access Points London Equinix - LD5
- Access Points London InterXion - LON1
- Access Points Frankfurt Equinix - FR2
- Access Points Frankfurt Equinix - FR4

2.3 Co-Location

This network is located in Zurich Equinix ZH4 and is dedicated to Co-Location customers. It is isolated from the SCAP network.








2.4 Internet Connections to Reach the Reporting Interfaces

Some reporting interfaces can only be reached via the Member Section over the Internet.

3 SWXess Interfaces

3.1 Overview of SWXess Trading Platform States

The SWXess trading platform can be in the following states, documented in the [Environment Calendar](#) and the [Exchange Hours](#). These states apply to both the Production (P01) and Membertest (M01) environments.

	TRADING DAY (Open)	Section 3.2
	PARTIALLY OPEN (Special Public Holiday)	Section 3.3
	CLOSED	Section 3.4
	MAINTENANCE	Section 3.5
	MAINTENANCE MODE	Section 3.6
	TEST	Section 3.7
	MIGRATION	Section 3.8

Depending on the platform state, the interfaces offer different options for you to test the connection. These options are described in detail on the following pages of this factsheet. For migration weekends, please refer to the documentation provided during the release preparation.

Disaster Recovery (DR) interfaces are never available (unless otherwise announced via MSC Message) and not considered in this document.

3.2 TRADING DAY (“Open”)

SWXess INTERFACES				
			Production (P01) Environment	Membertest (M01) Environment
			06:00-22:00	06:00-23:00
STI	SCAP		Primary Gateway: Ping: Yes Telnet: Yes Login: Yes Secondary Gateway: Ping: Yes Telnet: No Login: No	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes Secondary Gateway: Ping: Yes Telnet: No Login: No
SIX MDDX MoldUDP	SCAP	Data	Dissemination of Market Data or Heartbeat	Dissemination of Market Data or Heartbeat
		Re-requester	Answers to requests (udp) Ping: Yes	Answers to requests (udp) Ping: Yes
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No

SWXess INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
		06:00-22:00	06:00-23:00
SIX MDDX (SoupBin TCP)	SCAP	Ping: Yes Telnet: Yes Login: Yes	Ping: Yes Telnet: Yes Login: Yes
RDI	SCAP and Member Section	Files for current business date available for download	Files for current business date available for download
	SCAP	Ping: Yes Telnet: Yes (tcp port 80)	Ping: Yes Telnet: Yes (tcp port 80)
IMI MoldUDP	SCAP	Data	Dissemination of Market Data or Heartbeat
		Re-requester	Answers to requests (udp) Ping: Yes
		RdV Point	Ping: No
		MC Source	Ping: No
		Co-Lo	Sending Data UDP Re-requester available
IMI and Glimpse (SoupBinTCP)	SCAP	Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)	Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)
	Co-Lo	Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)	n/a
OTI	SCAP	Ping: Yes Telnet: Yes Login: Yes	Ping: Yes Telnet: Yes Login: Yes
	Co-Lo	Ping: Yes Telnet: Yes Login: Yes	n/a
QTI	SCAP	Ping: Yes Telnet: Yes Login: Yes	Ping: Yes Telnet: Yes Login: Yes
	Co-Lo	Ping: Yes Telnet: Yes Login: Yes	n/a
SA FDC	SCAP	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes
		Secondary Gateway: Ping: Yes Telnet: No Login: No	Secondary Gateway: Ping: Yes Telnet: No Login: No
RX GUI	Internet	Available	Available

WEB INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
TTR - Trade and Transaction Reporting (TRI CH, TRI EU)	GUI	06:00-22:00 Available	06:00-22:00 Available
	Curl	06:00-22:00 Available 22:00-23:45 Extended upload possible but processed on the following day.	06:00-22:00 Available 22:00-23:45 Extended upload possible but processed on the following day.
	SFTP (TRI CH only)	06:00-22:00 Available 22:00-23:45 Extended upload possible but processed on the following day.	06:00-22:00 Available 22:00-23:45 Extended upload possible but processed on the following day.
TXR- Transaction Reconciliation Report	GUI	06:00-22:00 Available	06:00-22:00 Available
	Curl	06:00-23:45 Available	06:00-22:00 Available
	Schedule	18:15 First report published 22:15 Last report published	18:15 First report published 22:15 Last report published
TRR- Trade Reconciliation Report	GUI	06:00-22:00 Available	06:00-22:00 Available
	Curl	06:00-23:45 Available	06:00-23:45 Available
	Schedule	06:00-09:15 Report previous trading day 09:15-17:45 Report current trading day (interval 30 minutes) 18:05-22:00 Report current trading day (interval 60 minutes) 22:05 Last report published	06:00-09:15 Report previous trading day 09:15-17:45 Report current trading day (interval 30 minutes) 18:05-22:00 Report current trading day (interval 60 minutes) 22:05 Last report published
ORR - Order Reconciliation Report	GUI	06:00-22:00 Available	06:00-22:00 Available
	Curl	06:00-23:45 Available	06:00-23:45 Available
	Schedule	18:00 First report published 22:05 Last report published	22:40 First report published 23:00 Last report published

3.3 PARTIALLY OPEN (Special Public Holidays)

This status applies for special public holidays that fall on a weekday as defined below.




SWXess INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
		06:00-22:00	06:00-23:00
RDI	SCAP and Member Section	Files for current business date available for download	Files for current business date available for download
	SCAP	Ping: Yes Telnet: Yes (tcp port 80)	Ping: Yes Telnet: Yes (tcp port 80)
SIX MDDX MoldUDP	SCAP	Data	Dissemination of Market Data or Heartbeat
		Re-requester	Answers to requests (udp) Ping: Yes
		RdV Point	Ping: No
		MC Source	Ping: No
All other SWXess interfaces		Status as described in section 3.4 CLOSED.	

WEB INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
TTR - Trade and Transaction Reporting (TRI CH, TRI EU)	GUI	Unavailable	Unavailable
	Curl	06:00-23:45 Available but no submission reply ("result file"). The result file will become available for download on the following trading day.	Unavailable
	SFTP (TRI CH only)	06:00-23:45 Available but no submission reply ("result file"). The result file will become available for download on the following trading day.	Unavailable
TXR - Transaction Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	06:00-23:45 Available	Unavailable
	<i>Schedule</i>	<i>18:15 First report published 22:15 Last report published</i>	
TRR - Trade Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	06:00-23:45 Available	Unavailable
	<i>Schedule</i>	<i>06:00-09:15 Report previous trading day 09:15-17:45 Report current trading day (interval 30 minutes) 18:05-22:00 Report current trading day (interval 60 minutes) 22:05 Last report published</i>	
ORR - Order Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	06:00-23:45 Available	Unavailable
	<i>Schedule</i>	<i>18:00 First report published 22:05 Last report published</i>	

Overview Special Public Holidays

The calendar below shows the special public holidays (green) on which the status is PARTIALLY OPEN. This is possible when the public holiday falls on a weekday.

Public Holiday	Date	Mon	Tue	Wed	Thu	Fri	Sat	Sun
New Year's Day	1 January	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
St. Berthold's Day	2 January	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED
Good Friday	flexible					CLOSED		
Easter	flexible							CLOSED
Easter Monday	flexible	CLOSED						
Labor Day	1 May	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED
Ascension Day	flexible				PARTIALLY OPEN			
Whit Sunday	flexible							CLOSED
Whit Monday	flexible	PARTIALLY OPEN						
National Day Switzerland	1 August	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED
Christmas Eve	24 December	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED
Christmas Day	25 December	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
Boxing Day	26 December	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED
New Year's Eve	31 December	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	PARTIALLY OPEN	CLOSED	CLOSED

	PARTIALLY OPEN
	CLOSED
	not applicable

3.4 CLOSED

SWXess INTERFACES				
			Production (P01) Environment	Memberstest (M01) Environment
			22:00-06:00 and weekends	23:00-06:00
STI	SCAP		Primary Gateway: Ping: Yes Telnet: No Login: No	Primary Gateway: Ping: Yes Telnet: No Login: No
			Secondary Gateway: Ping: Yes Telnet: No Login: No	Secondary Gateway: Ping: Yes Telnet: No Login: No
SIX MDDX MoldUDP	SCAP	Data	Sending no data	Sending no data
		Re-requester	UDP Re-requester unavailable Ping: No	UDP Re-requester unavailable Ping: No
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
SIX MDDX (SoupBin TCP)	SCAP		Ping: Yes Telnet: No Login: No	Ping: Yes Telnet: No Login: No
RDI	SCAP and Member Section		Files for next business date available for download	Files for next business date available for download
	SCAP		Ping: Yes Telnet: Yes (tcp port 80)	Ping: Yes Telnet: Yes (tcp port 80)
IMI MoldUDP	SCAP	Data	Sending no data	Sending no data
		Re-requester	UDP Re-requester unavailable Ping: No	UDP Re-requester unavailable Ping: No
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
	Co-Lo		No data sent UDP Re-requester unavailable	No data sent UDP Re-requester unavailable
IMI and Glimpse (SoupBinTCP)	SCAP		Ping: Yes (tcp) Telnet: No (tcp) Login: No (tcp)	Ping: Yes (tcp) Telnet: No (tcp) Login: No (tcp)
	Co-Lo		Ping: Yes (tcp) Telnet: No (tcp) Login: No (tcp)	n/a
OTI	SCAP		Ping: Yes Telnet: No Login: No	Ping: Yes Telnet: No Login: No
	Co-Lo		Ping: Yes Telnet: No Login: No	n/a

SWXess INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
		22:00-06:00 and weekends	23:00-06:00
QTI	SCAP	Ping: Yes Telnet: No Login: No	Ping: Yes Telnet: No Login: No
	Co-Lo	Ping: Yes Telnet: No Login: No	n/a
SA FDC	SCAP	Primary Gateway: Ping: Yes Telnet: No Login: No	Primary Gateway: Ping: Yes Telnet: No Login: No
		Secondary Gateway: Ping: Yes Telnet: No Login: No	Secondary Gateway: Ping: Yes Telnet: No Login: No
RX GUI	Internet	Unavailable	Unavailable

WEB INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
TTR - Trade and Transaction Reporting (TRI CH, TRI EU)	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
	SFTP (TRI CH only)	Unavailable	Unavailable
TXR- Transaction Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
TRR- Trade Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
ORR - Order Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable

3.5 MAINTENANCE

Depending on the work being carried out, some interfaces may be reachable, but this should not be relied on.

SWXess INTERFACES				
			Production (P01) Environment	Membertest (M01) Environment
			Weekends, as announced in the Environment Calendar Systems usually unavailable from Friday 22:00 until Sunday, 14:00; after this, status is CLOSED	Weekends, as announced in the Environment Calendar Systems usually unavailable from Thursday 23:00 until Sunday, 14:00; after this, status is CLOSED
STI	SCAP		Primary Gateway: Ping: No Telnet: No Login: No Secondary Gateway: Ping: No Telnet: No Login: No	Primary Gateway: Ping: No Telnet: No Login: No Secondary Gateway: Ping: No Telnet: No Login: No
SIX MDDX MoldUDP	SCAP	Data	Sending no data	Sending no data
		Re-requester	UDP Re-requester unavailable Ping: No	UDP Re-requester unavailable Ping: No
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
SIX MDDX (SoupBin TCP)	SCAP		Ping: No Telnet: No Login: No	Ping: No Telnet: No Login: No
RDI	SCAP and Member Section		Unavailable Ping: No Telnet: No (tcp port 80)	Unavailable Ping: No Telnet: No (tcp port 80)
IMI MoldUDP	SCAP	Data	Sending no data	Sending no data
		Re-requester	UDP Re-requester unavailable Ping: No	UDP Re-requester unavailable Ping: No
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
	Co-Lo	No data sent UDP Re-requester unavailable	No data sent UDP Re-requester unavailable	
IMI and Glimpse (SoupBinTCP)	SCAP		Ping: No (tcp) Telnet: No (tcp) Login: No (tcp)	Ping: No (tcp) Telnet: No (tcp) Login: No (tcp)
	Co-Lo		Ping: No (tcp) Telnet: No (tcp) Login: No (tcp)	n/a
OTI	SCAP		Ping: No Telnet: No Login: No	Ping: No Telnet: No Login: No

SWXess INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
		Weekends, as announced in the Environment Calendar Systems usually unavailable from Friday 22:00 until Sunday, 14:00; after this, status is CLOSED	Weekends, as announced in the Environment Calendar Systems usually unavailable from Thursday 23:00 until Sunday, 14:00; after this, status is CLOSED
	Co-Lo	Ping: No Telnet: No Login: No	n/a
QTI	SCAP	Ping: No Telnet: No Login: No	Ping: No Telnet: No Login: No
	Co-Lo	Ping: No Telnet: No Login: No	n/a
SA FDC	SCAP	Primary Gateway: Ping: No Telnet: No Login: No	Primary Gateway: Ping: No Telnet: No Login: No
		Secondary Gateway: Ping: No Telnet: No Login: No	Secondary Gateway: Ping: No Telnet: No Login: No
RX GUI	Internet	Unavailable	Unavailable

WEB INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
TTR - Trade and Transaction Reporting (TRI CH, TRI EU)	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
	SFTP (TRI CH only)	Unavailable	Unavailable
TXR- Transaction Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
TRR- Trade Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
ORR - Order Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable

3.6 MAINTENANCE MODE



A MAINTENANCE MODE run can be requested. Please see details in section 3.6.1.

SWXess INTERFACES				
			Production (P01) Environment	Membertest (M01) Environment
STI	SCAP		Primary Gateway: Ping: Yes Telnet: Yes Login: Yes (orders rejected)	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes (orders rejected)
			Secondary Gateway: Ping: Yes Telnet: No Login: No	Secondary Gateway: Ping: Yes Telnet: No Login: No
SIX MDDX MoldUDP	SCAP	Data	Only heartbeats/empty book snapshots	Only heartbeats/empty book snapshots
		Re-requester	Answers to requests (udp) Ping: Yes	Answers to requests (udp) Ping: Yes
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
SIX MDDX (SoupBin TCP)	SCAP		Ping: Yes Telnet: Yes Login: Yes	Ping: Yes Telnet: Yes Login: Yes
RDI	SCAP and Member Section		Files for current business date available for download	Files for current business date available for download
	SCAP		Ping: Yes Telnet: Yes (tcp port 80)	Ping: Yes Telnet: Yes (tcp port 80)
IMI MoldUDP	SCAP	Data	Sending Reference Data and heartbeat only	Sending Reference Data and heartbeat only
		Re-requester	Answers to requests (udp) Ping: Yes	Answers to requests (udp) Ping: Yes
		RdV Point	Ping: No	Ping: No
		MC Source	Ping: No	Ping: No
	Co-Lo	Sending Reference Data and heartbeat only UDP Re-requester available	Sending Reference Data and heartbeat only UDP Re-requester available	
IMI and Glimpse (SoupBinTCP)	SCAP		Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)	Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)
	Co-Lo		Ping: Yes (tcp) Telnet: Yes (tcp) Login: Yes (tcp)	n/a
OTI	SCAP		Ping: Yes Telnet: Yes Login: Yes (orders rejected)	Ping: Yes Telnet: Yes Login: Yes (orders rejected)

SWXess INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
	Co-Lo	Ping: Yes Telnet: Yes Login: Yes (orders rejected)	n/a
QTI	SCAP	Ping: Yes Telnet: Yes Login: Yes (orders rejected)	Ping: Yes Telnet: Yes Login: Yes (orders rejected)
	Co-Lo	Ping: Yes Telnet: Yes Login: Yes (orders rejected)	n/a
SA FDC	SCAP	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes	Primary Gateway: Ping: Yes Telnet: Yes Login: Yes
		Secondary Gateway: Ping: Yes Telnet: No Login: No	Secondary Gateway: Ping: Yes Telnet: No Login: No
RX GUI	Internet	Available	Available
Please find details and error codes for rejected orders in section 1.3.			

WEB INTERFACES			
		Production (P01) Environment	Membertest (M01) Environment
TTR - Trade and Transaction Reporting (TRI CH, TRI EU)	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
	SFTP (TRI CH only)	Unavailable	Unavailable
TXR- Transaction Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
TRR- Trade Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable
ORR - Order Reconciliation Report	GUI	Unavailable	Unavailable
	Curl	Unavailable	Unavailable

3.6.1 How to Request a MAINTENANCE MODE Run

If the conditions below are met, A MAINTENANCE MODE run can be requested for the Production (P01) environment by sending an email to your LSC (contact details can be found in section 1.2):

- The desired date is a non-business day (please check the [Environment Calendar](#))
- The desired date is a non-MAINTENANCE day (please check the [Environment Calendar](#))
- A lead time of not less than 5 calendar days is respected
- The standard timeframe for such a MAINTENANCE MODE run is from 10:00 to 16:00 CET

3.7 TEST

Scheduled tests of the SWXess platform interfaces and infrastructure such as:

- Background Load Test
- Performance Load Test
- Intraday Recovery Test
- Disaster Recovery Test

The schedule and the status of the environment in which the test takes place will be announced in separate messages or documents.

3.8 MIGRATION

Migration of the SWXess platform to a software release or new infrastructure.

The schedule and the status of the environment in which the migration takes place will be announced in separate messages or document.

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