Market Access Control User Manual

Version 3.00

DISCLAIMER

Last updated: October 9, 2025

1 Introduction

This document explains access to the **Market Access Control** (**MAC**) service of Japannexts **PTS**. It describes the service configuration and specifies the external programmable interface.

For further information and inquiries regarding the MAC service, contact Japannexts Technical Support at ito@Japannexts.co.jp.

2 Overview

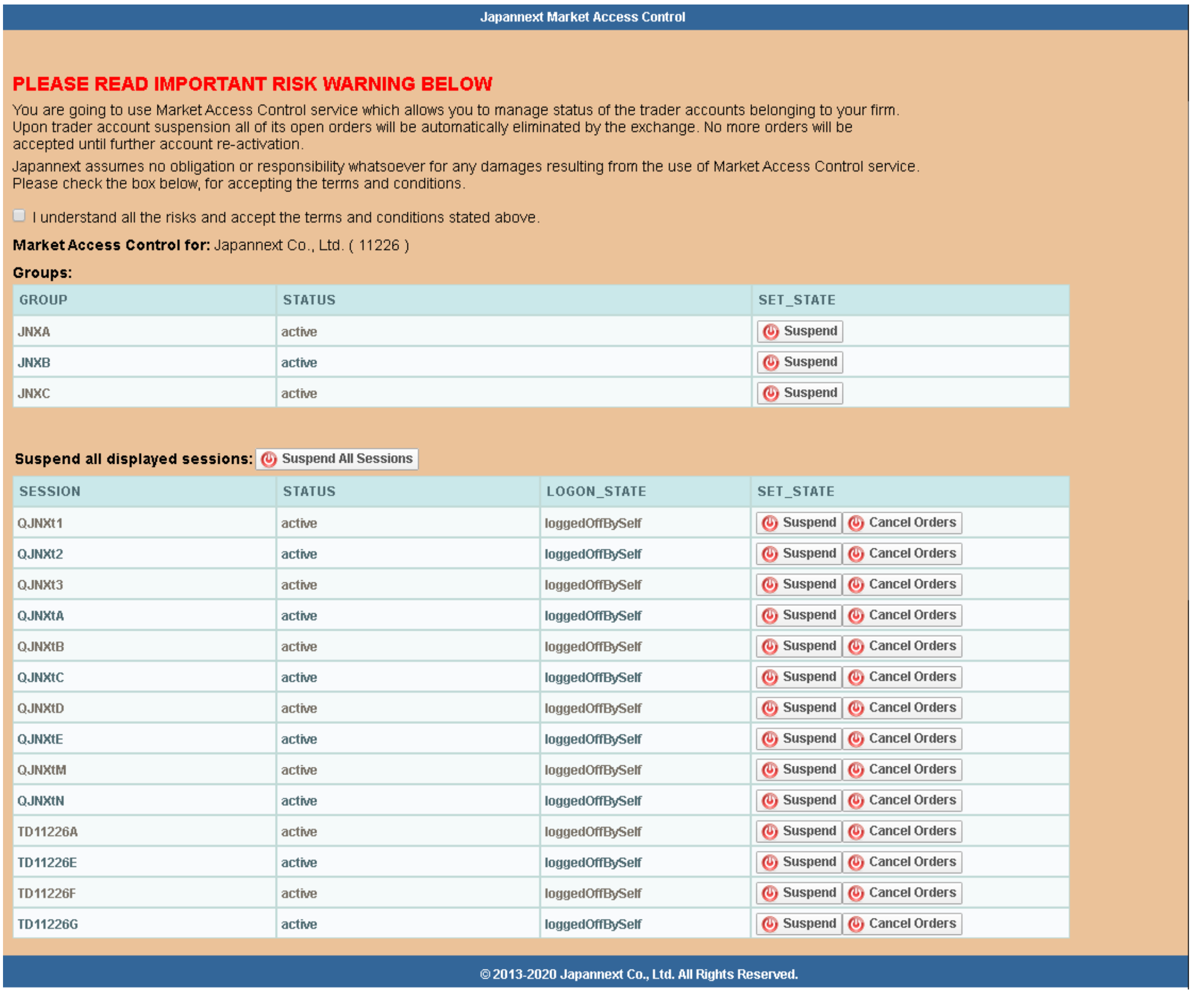
The MAC service enables suspension of trading activity on order entry ports in emergency situations. Upon suspension, all open orders are automatically cancelled and the trading system rejects new orders. Access to the MAC service is available only via the Japannexts PTS private network, through both a web-based interface and a programmable API.

3 Service Configuration

On request, a specific MAC instance is created for each individual MAC service client. The request must specify the full list of order entry ports to be covered by the MAC instance. Thereafter, the MAC service is accessible via a unique URL provided by Japannexts.

4 Web Based Interface

The simplest way to use MAC is through its web-based interface: simply open the URL provided by Japannexts in your web browser.



Japannext Market Access Control

PLEASE READ IMPORTANT RISK WARNING BELOW

You are going to use Market Access Control service which allows you to manage status of the trader accounts belonging to your firm. Upon trader account suspension all of its open orders will be automatically eliminated by the exchange. No more orders will be accepted until further account re-activation.

Japannext assumes no obligation or responsibility whatsoever for any damages resulting from the use of Market Access Control service. Please check the box below, for accepting the terms and conditions.

□ I understand all the risks and accept the terms and conditions stated above.

Market Access Control for: Japannext Co., Ltd. (11226)

Groups:

GROUP	STATUS	SET_STATE
JNXA	active	Suspend
JNXB	active	Suspend
JNXC	active	Suspend

Suspend all displayed sessions: Suspend All Sessions

SESSION	STATUS	LOGON_STATE	SET_STATE
QJNXt1	active	loggedOffBySelf	Suspend Cancel Orders
QJNXt2	active	loggedOffBySelf	Suspend Cancel Orders
QJNXt3	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtA	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtB	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtC	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtD	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtE	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtM	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtN	active	loggedOffBySelf	Suspend Cancel Orders
TD11226A	active	loggedOffBySelf	Suspend Cancel Orders
TD11226E	active	loggedOffBySelf	Suspend Cancel Orders
TD11226F	active	loggedOffBySelf	Suspend Cancel Orders
TD11226G	active	loggedOffBySelf	Suspend Cancel Orders

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Figure 1

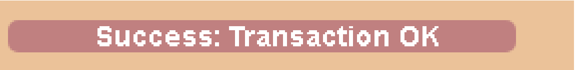
Figure 1 shows the MAC web-based interface. The interface has two sections: **Groups** and **Suspend all displayed sessions**, which displays individual sessions. To perform an available action, proceed as follows:

1. Select the **I understand all the risks and accept the terms and conditions stated above** checkbox (**Figure 2**).
2. Select the desired action button. A confirmation dialog box is displayed.
3. Select **OK** to proceed or **Cancel** to abort.

□ I understand all the risks and accept the terms and conditions stated above.

Figure 2

When an action completes successfully, a confirmation message is displayed (**Figure 3**).

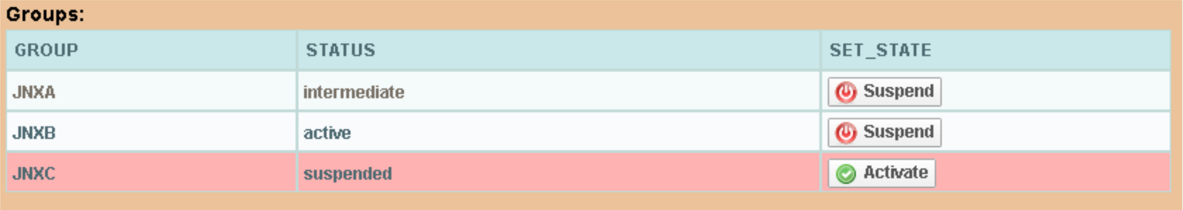


Success: Transaction OK

Figure 3

4.1 Groups

This section describes the actions available to the **Groups** section (**Figure 4**).



Groups:

GROUP	STATUS	SET_STATE
JNXA	intermediate	Suspend
JNXB	active	Suspend
JNXC	suspended	Activate

Figure 4

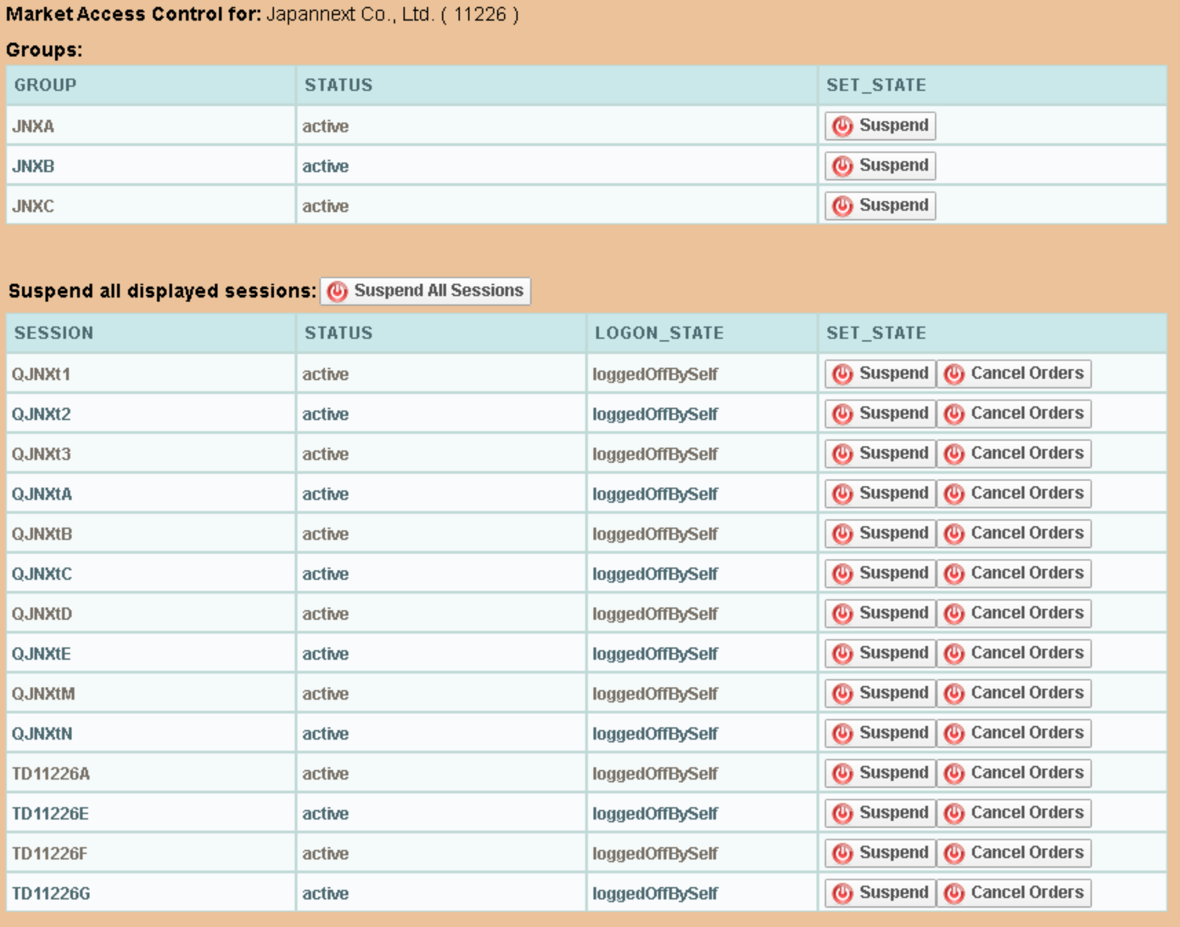
The **STATUS** column displays one of three possible values:

- **active**: All sessions subscribed to the group are active.
- **suspended**: All sessions subscribed to the group are suspended.
- **intermediate**: Some sessions subscribed to the group are active and some are suspended.

4.1.1 Activate or suspend a group

- To set the state of a group, select the **Activate** or **Suspend** button in the **Groups** section. The status of all sessions subscribed to the respective group is changed to that of the selected button.

Figure 5 and **Figure 6** show the before and after states of test group **JNXA** as an example.



Market Access Control for: Japannext Co., Ltd. (11226)

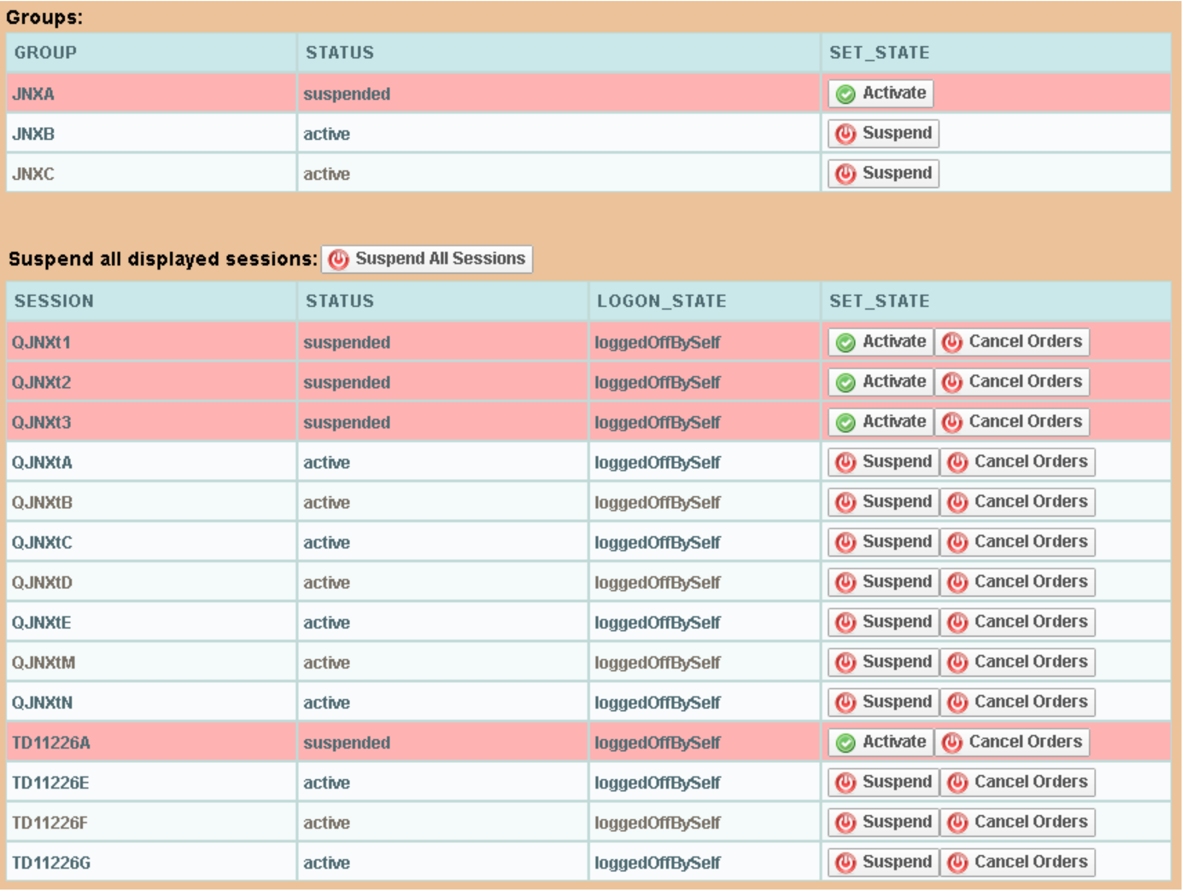
Groups:

GROUP	STATUS	SET_STATE
JNXA	active	Suspend
JNXB	active	Suspend
JNXC	active	Suspend

Suspend all displayed sessions: Suspend All Sessions

SESSION	STATUS	LOGON_STATE	SET_STATE
QJNXt1	active	loggedOffBySelf	Suspend Cancel Orders
QJNXt2	active	loggedOffBySelf	Suspend Cancel Orders
QJNXt3	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtA	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtB	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtC	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtD	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtE	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtM	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtN	active	loggedOffBySelf	Suspend Cancel Orders
TD11226A	active	loggedOffBySelf	Suspend Cancel Orders
TD11226E	active	loggedOffBySelf	Suspend Cancel Orders
TD11226F	active	loggedOffBySelf	Suspend Cancel Orders
TD11226G	active	loggedOffBySelf	Suspend Cancel Orders

Figure 5



Groups:

GROUP	STATUS	SET_STATE
JNXA	suspended	Activate
JNXB	active	Suspend
JNXC	active	Suspend

Suspend all displayed sessions: Suspend All Sessions

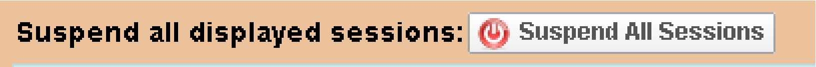
SESSION	STATUS	LOGON_STATE	SET_STATE
QJNXt1	suspended	loggedOffBySelf	Activate Cancel Orders
QJNXt2	suspended	loggedOffBySelf	Activate Cancel Orders
QJNXt3	suspended	loggedOffBySelf	Activate Cancel Orders
QJNXtA	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtB	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtC	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtD	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtE	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtM	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtN	active	loggedOffBySelf	Suspend Cancel Orders
TD11226A	suspended	loggedOffBySelf	Activate Cancel Orders
TD11226E	active	loggedOffBySelf	Suspend Cancel Orders
TD11226F	active	loggedOffBySelf	Suspend Cancel Orders
TD11226G	active	loggedOffBySelf	Suspend Cancel Orders

Figure 6

4.2 Suspend all sessions

Selecting the **Suspend All Sessions** button (**Figure 7**) suspends all sessions.

Note: Activating a suspended session can be performed only on a group or individual session basis.



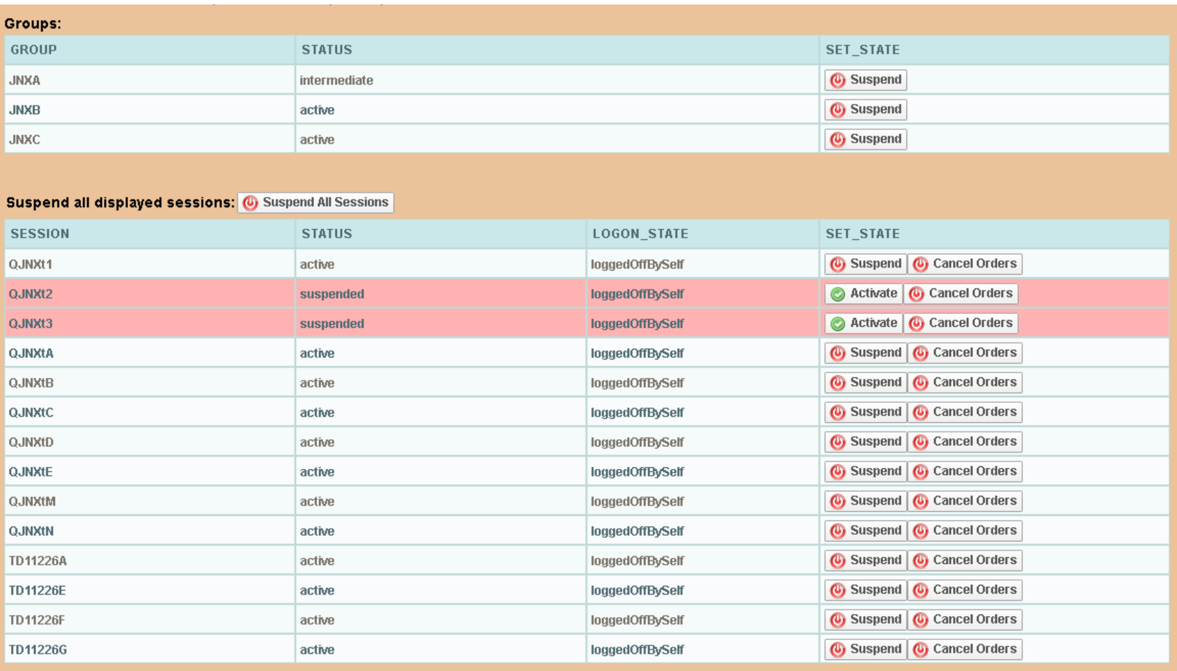
Suspend all displayed sessions: Suspend All Sessions

Figure 7

Note: **Suspend All Sessions** causes the system to attempt to suspend all sessions one-by-one in the order listed. If a session is already suspended, an **Error: Transaction Failed** message for the respective session is displayed (**Figure 11**).

Example

- **Figure 8** shows the state before suspending all sessions.
- **Figure 9** shows the action confirmation for each session state.
- **Figure 10** shows the subsequent status screen after suspending all sessions.



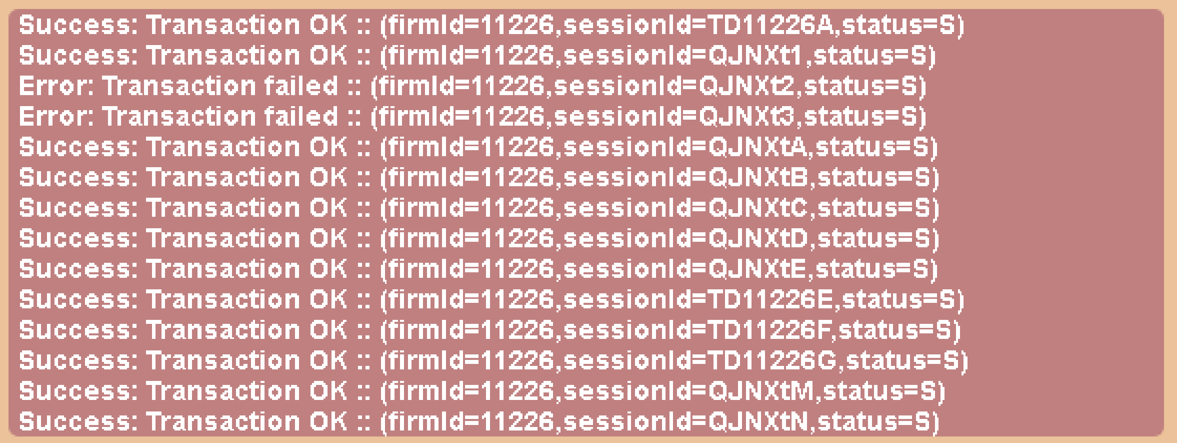
Groups:

GROUP	STATUS	SET_STATE
JNXA	intermediate	Suspend
JNXB	active	Suspend
JNXC	active	Suspend

Suspend all displayed sessions: Suspend All Sessions

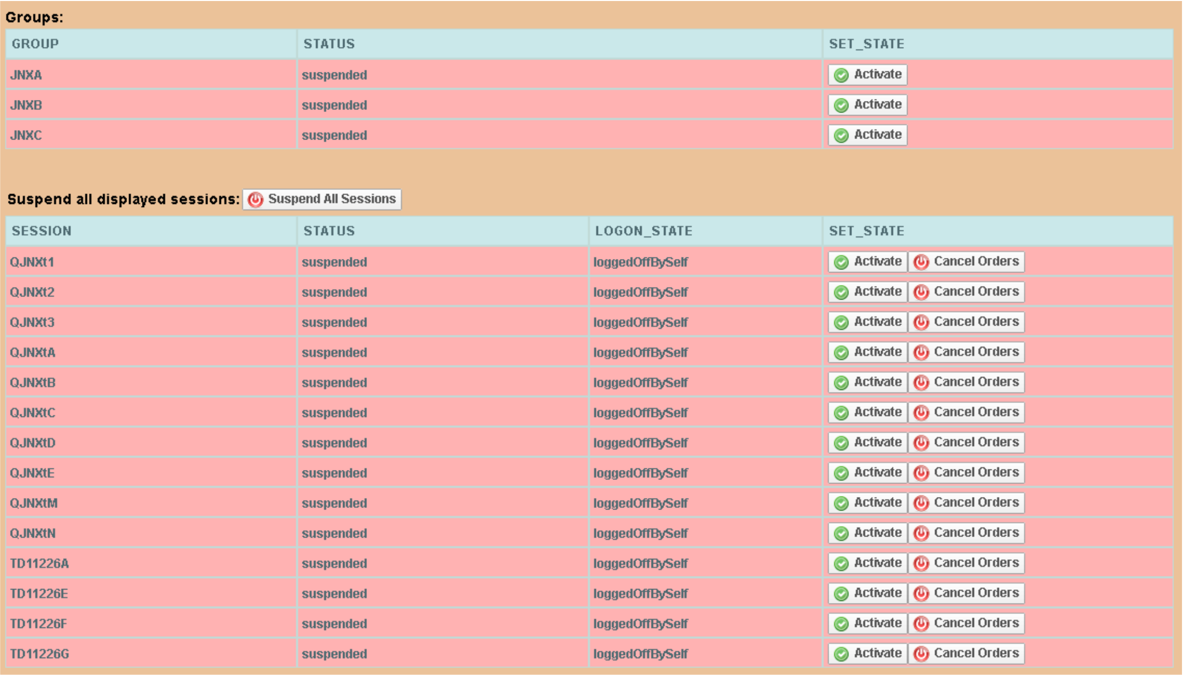
SESSION	STATUS	LOGON_STATE	SET_STATE
QJNXt1	active	loggedOffBySelf	Suspend Cancel Orders
QJNXt2	suspended	loggedOffBySelf	✓ Activate Cancel Orders
QJNXt3	suspended	loggedOffBySelf	✓ Activate Cancel Orders
QJNXtA	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtB	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtC	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtD	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtE	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtM	active	loggedOffBySelf	Suspend Cancel Orders
QJNXtN	active	loggedOffBySelf	Suspend Cancel Orders
TD11226A	active	loggedOffBySelf	Suspend Cancel Orders
TD11226E	active	loggedOffBySelf	Suspend Cancel Orders
TD11226F	active	loggedOffBySelf	Suspend Cancel Orders
TD11226G	active	loggedOffBySelf	Suspend Cancel Orders

Figure 8



```
Success: Transaction OK :: (firmId=11226,sessionId=TD11226A,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXt1,status=S)
Error: Transaction failed :: (firmId=11226,sessionId=QJNXt2,status=S)
Error: Transaction failed :: (firmId=11226,sessionId=QJNXt3,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtA,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtB,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtC,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtD,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtE,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=TD11226E,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=TD11226F,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=TD11226G,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtM,status=S)
Success: Transaction OK :: (firmId=11226,sessionId=QJNXtN,status=S)
```

Figure 9



Groups:

GROUP	STATUS	SET_STATE
JNXA	suspended	✓ Activate
JNXB	suspended	✓ Activate
JNXC	suspended	✓ Activate

Suspend all displayed sessions: Suspend All Sessions

SESSION	STATUS	LOGON_STATE	SET_STATE
QJNXt1	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXt2	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXt3	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtA	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtB	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtC	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtD	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtE	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtM	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
QJNXtN	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
TD11226A	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
TD11226E	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
TD11226F	suspended	loggedOffBySelf	✓ Activate, Cancel Orders
TD11226G	suspended	loggedOffBySelf	✓ Activate, Cancel Orders

Figure 10

4.3 Individual sessions

The following actions are available for individual sessions:

- **Activate** or **Suspend**
- **Cancel Orders**

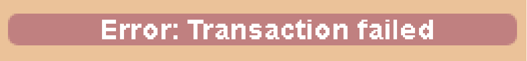
4.3.1 Activate or suspend session

- To set the state of an individual session, select the **Activate** or **Suspend** button. When an action completes successfully, a confirmation message is displayed (**Figure 3**).

4.3.2 Cancel orders

- To cancel all open orders for the selected session without suspending the session, select the **Cancel Orders** button.

Note: This action is available only for active sessions. In the case of no open orders, an **Error: Transaction Failed** message is displayed (**Figure 11**).



Error: Transaction failed

Figure 11

Caution: Only sessions with **cancel on disconnect** functionality enabled can trigger mass order cancellation when set to **suspended**. Orders entered via sessions without **cancel on disconnect** functionality enabled are not cancelled when the **suspend all sessions** feature is activated.

For support relating to **cancel on disconnect**, contact Japannexts at ito@Japannexts .co. jp.

5 Programmable API

The primary MAC functionality is also accessible via an API.

Access the MAC service (e.g., via the **curl** command) by sending an **HTTP/1.1 POST** request with the variable **mode** set to **api**, with optional parameters as necessary.

Replies are in JSON format. An empty response indicates that the MAC service is currently unavailable.

5.1 Use case examples

5.1.1 Session status

To query the status of all configured sessions, send the following:

```
curl -X POST -k -d "mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "active"},
{"session": "QJNXn2", "status": "active"},
{"session": "QJNXn3", "status": "active"},
{"session": "QJNXn4", "status": "active"},
{"session": "TN11226A", "status": "active"},
{"session": "TN11226B", "status": "active"},
{"group": "JNXA", "status": "active"},
{"group": "JNXB", "status": "active"},
{"group": "JNXC", "status": "active"}]
```

5.1.2 Suspend all sessions

To suspend all sessions, send the following:

```
$ curl -X POST -k -d "suspend_all=S&mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "suspended"},
{"session": "QJNXn2", "status": "suspended"},
{"session": "QJNXn3", "status": "suspended"},
{"session": "QJNXn4", "status": "suspended"},
{"session": "TN11226A", "status": "suspended"},
{"session": "TN11226B", "status": "suspended"},
{"group": "JNXA", "status": "suspended"},
{"group": "JNXB", "status": "suspended"},
{"group": "JNXC", "status": "suspended"}]
```

5.1.3 Suspend individual session

To suspend an individual session, add the **set_state=S** and **session_id=<session-name>** parameters to the request:

```
$ curl -X POST -k -d "set_state=S&session_id=QJNXn1&mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "suspended"},
{"session": "QJNXn2", "status": "active"},
{"session": "QJNXn3", "status": "active"},
{"session": "QJNXn4", "status": "active"},
{"session": "TN11226A", "status": "active"},
{"session": "TN11226B", "status": "active"},
{"group": "JNXA", "status": "intermediate"},
{"group": "JNXB", "status": "active"},
{"group": "JNXC", "status": "active"}]
```

5.1.4 Activate individual session

To activate an individual session, add the **set_state=A** and **session_id=<session-name>** parameters to the request:

```
$ curl -X POST -k -d "set_state=A&session_id=QJNXn4&mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "suspended"},
{"session": "QJNXn2", "status": "suspended"},
{"session": "QJNXn3", "status": "suspended"},
{"session": "QJNXn4", "status": "active"},
{"session": "TN11226A", "status": "suspended"},
{"session": "TN11226B", "status": "suspended"},
{"group": "JNXA", "status": "suspended"},
{"group": "JNXB", "status": "suspended"},
{"group": "JNXC", "status": "intermediate"}]
```

5.1.5 Suspend group

To suspend all sessions in a group, add the **set_groupstate=S** and **group=<group-name>** parameters to the request:

```
$ curl -X POST -k -d "set_groupstate=S&group=JNXB&mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "suspended"},
{"session": "QJNXn2", "status": "suspended"},
{"session": "QJNXn3", "status": "suspended"},
{"session": "QJNXn4", "status": "active"},
{"session": "TN11226A", "status": "suspended"},
{"session": "TN11226B", "status": "active"},
{"group": "JNXA", "status": "suspended"},
{"group": "JNXB", "status": "suspended"},
{"group": "JNXC", "status": "active"}]
```

5.1.6 Activate group

To reactivate all sessions in a group, add the **set_groupstate=S** and **group=<group-name>** parameters to the request:

```
$ curl -X POST -k -d "set_groupstate=A&group=JNXC&mode=api" http://X.X.X.X/
```

Sample reply

```
[{"session": "QJNXn1", "status": "suspended"},
{"session": "QJNXn2", "status": "suspended"},
{"session": "QJNXn3", "status": "suspended"},
{"session": "QJNXn4", "status": "active"},
{"session": "TN11226A", "status": "suspended"},
{"session": "TN11226B", "status": "active"},
{"group": "JNXA", "status": "suspended"},
{"group": "JNXB", "status": "suspended"},
{"group": "JNXC", "status": "active"}]
```

5.1.7 Cancel orders

Cancel all open orders for a session:

```
$ curl -X POST -k -d "cxl_session_orders=X&session_id=QJNXn4&mode=api"
http://X.X.X.X
```

Sample reply (success)

```
[result: 1]
```

Sample reply (No open orders/fail)

```
[result: 0]
```

Note: **0** is returned when no orders are available to cancel.

6 Revision History

Date	Version	Description
2025-10-09	3.00	Document format has been revamped. Parts of the text have been reworded to improve readability. Some section numbers have changed to accommodate new format. No changes made to technical content.
2020-04-22	2.4	Add additional GUI screenshots Add caption to all images Re-organize GUI samples
2020-04-01	2.3	Change company name
2018-02-01	2.2	Added Cancel Orders options in GUI and API
2014-10-22	2.1	Added group suspend and activate feature to GUI and API
2014-08-11	2.0	Changed service name to Market Access Control
2014-01-09	1.2	Added API mode section
2013-02-25	1.1	Update purpose section Added activate screen case
2013-02-15	1.0	Initial revision