

# ID API 2.0 Certification Process

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Nord Pool API Certification Test Suite – designed to ensure robustness of the Intraday Market and protect members by validating all newly connected systems.

**R** - For Members with READ portfolio permission only

**W** - For Members with WRITE portfolio permission

Please get the test cases you are planning to use marked and return the updated document as an attachment.

Please use these symbols (copy/paste) if possible:

Test Cases Group	#	Perm.	Test Case Name	Test Case Description	Used?
<b>(A)</b> Administrative messages	1	RW	Log in to the Intraday 2 System	During this test we are going to verify that valid SSO token can be obtained and a member can <b>log in</b> to the Intraday 2 systems successfully. Nord Pool Operator verifies that a single connection established.	<input type="checkbox"/>
	2	RW	Portfolio access verification	During this test a member subscribes to the <b>/configuration</b> channel and report received portfolios with a corresponding permission.	<input type="checkbox"/>
	3	RW	Heartbeats verification	During this test a member subscribes to the <b>/heartbeat</b> channel and report the last sequences per channel.	<input type="checkbox"/>
	4	RW	Delivery Areas verification	During this test a member subscribes to the <b>/deliveryAreas</b> channel and verify that Intraday 2 propagates them.	<input type="checkbox"/>
	5	RW	Log out from the Intraday 2 System	During this test we are going to verify that a member can successfully <b>log out</b> from the Intraday 2 systems.	<input type="checkbox"/>
	6	RW	Abnormal discussion handling	During this test Nord Pool Operator makes member disconnected, simulating abnormal disconnection. Members should be using exponential back-off strategy to re-establish connection with the Intraday 2 systems. Nord Pool Operator verified that member re-establishes a single connection to the back-end system.	<input type="checkbox"/>
	7	RW	Blocking a user / password expiration	During this test Nord Pool Operator simulates blocking a member / password expiration to verify that a member can handle this situation properly without a further connectivity attempts.	<input type="checkbox"/>

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<b>(B)</b> Trading Subscriptions	1	RW	Contracts subscription	Member subscribes to <b>/contracts</b> channel and provides a feedback on received contracts. Nord Pool Operator hibernate a set of contracts, member reports that updates are received. Nord Pool Operator activates a set of contracts, member provides a feedback on received updates. Member confirms that API handler does takes care of closed contracts events and order placement will be avoided against hibernated contracts.	<input type="checkbox"/>

	2	RW	Local View subscription	Member subscribes to <b>/localview</b> channel and provides a feedback on received updates. Nord Pool Operator places orders against areas member have access to. Member provides a feedback on received updates.	<input type="checkbox"/>
	3	RW	(Optional) Ticker subscription	Member subscribes to <b>/ticker</b> channel and provides a feedback on received updates. Nord Pool Operator places orders and makes trades against areas member have access to. Member provides a feedback on received updates. Nord Pool Operator cancels one of the public trades, member provides a feedback on received update.	<input type="checkbox"/>
	4	RW	(Optional) Capacities subscription	Member subscribes to <b>/capacities</b> channel and provides a feedback on received updates. Nord Pool Operator updates capacities manually, member provides a feedback on received updates.	<input type="checkbox"/>
	5	RW	(Optional) Public statistic subscription	Member subscribes to <b>/publicStatistics</b> channel and provides a feedback on received updates. Nord Pool operator places orders against open contracts, member hits orders and provides a feedback on received public statistic updates.	<input type="checkbox"/>
	6	RW	(Optional) Private trades subscription	Member subscribes to <b>/privateTrade</b> channel and provides a feedback on received updates. Nord Pool Operator assists on creating some trades; private trade updates to be checked and compared.	<input type="checkbox"/>

Test Cases Group	#	Perm.	Test Case Name	Test Case Description	Used?
<b>(C)</b> <b>New Order Placement and Execution</b>	1	W	Limit order placement and execution	Member places a valid order against active contract. Nord Pool Operator verifies that order entered an order book. Member reports that both execution report (UADD) and local view update received. Operator hits and order with the partially matching order. Member reports that both partial-fill execution report received, a corresponding local view update and a private trade. Operator hits residual amount of the order. Member reports that both full-fill execution report received with a corresponding local view update and a private trade.	<input type="checkbox"/>
	2	W	IOC (Immediate-or-Cancel) order execution	Nord Pool Operator places an open passive order against an active contract. Member sends IOC with an amount which exceeds order placed by Nord Pool Operator. Both traded and cancellation execution reports are generated. Member reports that execution report, cancellation execution report and local view updates are received.	<input type="checkbox"/>
	3	W	FOK (Fill-or-Kill) order execution	Nord Pool Operator places an open passive order against an active contract. Member sends FOK with an amount which exceeds order placed by Nord Pool Operator. Member reports that cancellation execution report received. Member tries again with the amount which matches open order on a market. Trade created. Member reports that both execution report and local view updates are received.	<input type="checkbox"/>
	4	W	Iceberg order placement	Member sends an iceberg order against an open contract with clip quantity and price change parameters set. Nord Pool operator hits clip quantity. Member reports that corresponding execution reports, private trade and local view updates are received.	<input type="checkbox"/>
	5	W	Hibernated limit order placement	Member sends hibernated limit order. Member reports that execution report (UADD) received with no other updates (i.e. no local views, no trades etc.).	<input type="checkbox"/>
	6	W	Limit order placement with contract deactivation	Member sends an open limit order. Member reports that execution report (UADD) with local view updates received. Nord Pool operator deactivates active contract used to place an order. Member reports that corresponding contract deactivation event, order deactivation event and local view update received.	<input type="checkbox"/>
	7	W	Cross-border trade	Member sends and order against a contract with capacities to other areas. Member reports that corresponding local view updates (multiple areas) are received. Nord Pool operator hits an order in some other area. Member reports that execution report, private trade and corresponding local view updates in multiple areas are received.	<input type="checkbox"/>

	8	W	Placement of block orders	Member sends a block order against non-existent user-defined contract. New block contract automatically generated and propagated back to a member with subsequent execution report and local view update. Member provides a feedback on received events. Nord Pool Operator hits a block, member provides a feedback on received events: execution report, private trade and local view update should be received.	<input type="checkbox"/>
	9	W	Placement of invalid order	Member sends invalid order (qty or price outside of allowed range). Intraday 2 system returns rejection execution report back. Member provides feedback on received update.	<input type="checkbox"/>

Test Cases Group	#	Perm.	Test Case Name	Test Case Description	Used?
(D) Order Modification Execution	1	W	Order Modification without a priority change	Member places an order against active contract and after that sends order modification request to reduce quantity of the order. Member provides a feedback on received updates: existed order modified and execution report with a corresponding local view are received.	<input type="checkbox"/>
	2	W	Order Modification with a priority change	Member places an order against active contract and after that sends order modification request to increase quantity of the order. Member provides a feedback on received updates: new order created with updated quantity, deletion event received for existed order, local view updates reflects the change as well.	<input type="checkbox"/>

Test Cases Group	#	Perm.	Test Case Name	Test Case Description	Used?
(E) Historical REST API	1	RW	Private Trades	Member places valid orders against active contract. Nord Pool Operator hits orders and trades are created. Member executes REST API call ( <b>/privateTrade</b> ) and reports that private trades are received.	<input type="checkbox"/>
	2	RW	Order Execution Reports	Member places valid orders against active contract. Member executes REST API call ( <b>/orderExecutionReport</b> ) and reports that corresponding execution reports are received.	<input type="checkbox"/>
	3	R	Ticker	Nord Pool Operator hits active orders and public trades are created. Member executes REST API call ( <b>/ticker</b> ) and reports that corresponding public trade reports (ticker updates) are received.	<input type="checkbox"/>