

**NORD  
POOL**

NORD POOL INTRADAY UPGRADE -

## **CUSTOMER INFORMATION**



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## 01 What is happening?

### 1. We are improving our Intraday platform, upgrading customers using the Elbas4 Java Client to Intraday Web and closing the Elbas4 Java Client

Following the recent announcement that the XBID project is planned to go live in Q1 2018, Nord Pool will be moving customers currently using Java Client in our Nordic, Baltic and German intraday markets to our XBID-ready Intraday Web platform. We will let customers know the exact date in November 2017 when the upgrade will come into effect, in due course.

We are also introducing features to improve Intraday Web to reflect some of the key functions offered by the Java Client and further enhance performance.

### 2. We are launching the new and improved Intraday API 2.0

To meet changing market needs, the existing Intraday API will be replaced with Intraday API 2.0 which will further improve performance, is XBID-compatible and is even easier to use. At this point the existing Intraday API will be closed and there will be no backward compatibility.

#### Upgrade summary:

From November 2017, Nord Pool customers will benefit from:

- Using the XBID-ready Intraday Web with additional functionality
- A new and improved Intraday API 2.0
  - Tailored for XBID
  - Designed to manage high-load trading

We will let customers know the exact date in November 2017 when the upgrade will come into effect, in due course.

#### XBID - Cross-Border Intraday Market Project

XBID is a joint initiative by the power exchanges Nord Pool, EPEX SPOT, GME and OMIE, together with Transmission System Operators (TSOs) from 11 countries, to create a joint integrated intraday cross-border market. Further information on XBID can be found on our website here: <http://www.nordpoolgroup.com/How-does-it-work/Integrated-Europe/cross-border-intraday-market-project-xbid/>

The XBID project is already well under way. Information about technical design and Europe-wide testing will be communicated separately to Nord Pool customers, in due course.



## 02 Will this impact me?

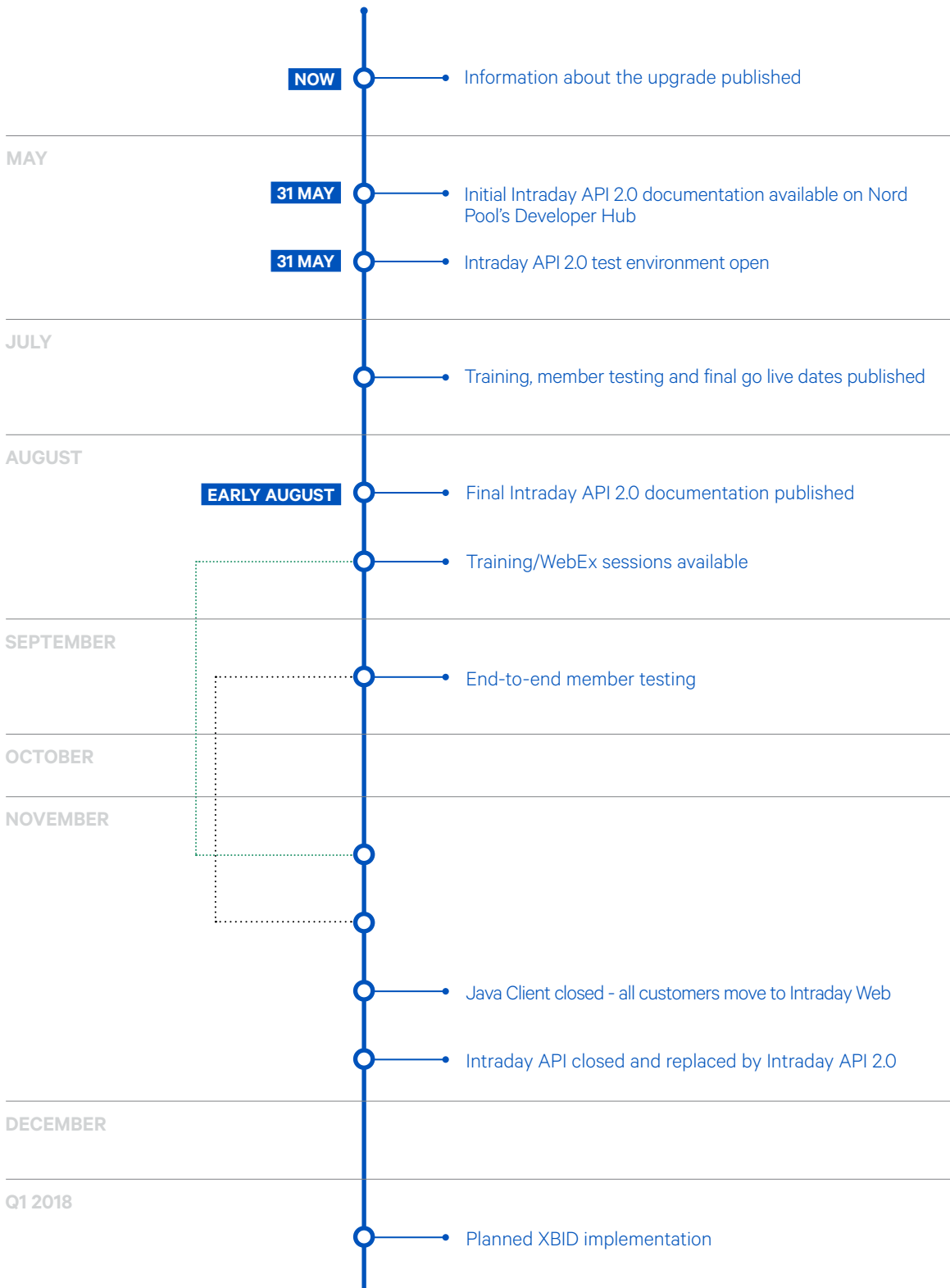
**All customers currently accessing our intraday market will be impacted in some way by these changes, depending on which of our intraday services are being used:**

- **Customers using the Java Client** will move to our new Intraday Web in November 2017. The Java Client will then be closed
- **Customers currently connecting to our Intraday API** will be upgraded to our new Intraday API 2.0. The current Intraday API will then be closed
- All customers using the **Intraday Web platform will benefit from enhanced functionality**

This document provides an overview of the coming changes and key dates for your diary. Further detailed information will be provided throughout the project in line with the timeline below:



### 03 Timeline



## 04 Intraday Web Upgrade

**In 2015, Nord Pool launched Intraday Web, which is already used by many customers across our markets. In November 2017, it will be upgraded to include the following additional features:**

- Multi-market area view within a single trading screen
- Ability to open and save multiple screens within your browser simultaneously
- Simple solution to manage multiple orders benefiting users and market makers

### Upgrade timeline:

- **September** - Final test system
- **November** - Go live



### Intraday Web - Highlights

#### Efficient:

- **Built with HTML 5** – runs in modern web browsers
- **User-friendly, adaptable interface** – to meet individual user preferences
- **XBID-ready** – accommodates intraday cross-border coupling
- **Complete European product offering** – tailored to each of the current Nord Pool markets

#### Simple:

- **Full European Solution** – including market information, order entry, editing and trade capture. Supports 15, 30 and 60 minute products, all standard blocks and custom blocks
- **Zero install, zero hassle** – always up-to-date
- **One platform for all Nord Pool trading areas** – UK, Germany, Nordics, Baltics

#### Secure:

- **Encrypted communication** – 256-bit security certificates, secure and encrypted communication



## 05 Intraday Web Upgrade - FAQs

### Why am I transitioning from the Elbas4 Java Client to Intraday Web?

We will transition members using the existing Java Client to the Intraday Web platform in November 2017 in preparation for the XBID Go live in 2018. This forms part of our on-going plans to streamline business processes, increase value for our customers and consolidate IT platforms across our European markets.

### I am already using Intraday Web, so will I be impacted by this upgrade?

You will benefit from the additional functionality following the upgrade in November 2017 and all new features will automatically appear within Intraday Web from go live.

### Will all the functionality in Elbas4 Java Client be available in Intraday Web?

The upgrade of Intraday Web in November 2017 will deliver additional functionality to existing Intraday Web users, incorporating key functionalities from the Java Client.

### Can I start using Intraday Web before November 2017?

Yes, Intraday Web is available now, so if you want to start using it before the upgrade is implemented you are free to do so. You can use your existing digipass and access the URLs. <https://intraday.nordpoolgroup.com>

### Can I continue to receive EDIEL & ASCII Reports?

Yes, you can.

### Still not sure about the impact of this upgrade?

No problem, just [contact your Market Manager](#) who will be happy to talk it through with you.



## 06 Intraday API 2.0

**The existing Intraday API will be replaced with the new Intraday API 2.0 which is easier to use and XBID-ready.**

On 31 May 2017, we will publish the initial API documentation on our Developer Portal and launch an API test environment for members wishing to engage in early testing.

We will continue to refine the API throughout the summer, welcoming any feedback and suggestions from you, but we do not envisage making any fundamental changes.

In early August 2017, final API documentation will be published and the test environment updated to incorporate modifications introduced over the summer and to enable final testing before go live in November 2017.

### Upgrade timeline:

- **May** - Test system available
- **September** - Final test system
- **November** - Go live

### Intraday API 2.0 - Highlights

#### Efficient:

- **A fully updated API** – addressing the needs of customers and ISVs and incorporating customer feedback
- **XBID-ready** – aligns fully with the XBID order-to-trade flow
- **Lightweight & Fast** – fine grained JSON message payloads, discrete topic channels, separation of public and private data

#### Simple:

- **WebSocket and STOMP protocol** – uses simple, proven, fast-performing and widely supported web standards for data communication
- **Simplified Heartbeat** – we will call you (if you are idle)

#### Secure:

- **No need to open additional firewall ports** – uses HTTPS Port 443
- **Token-based security** – same security stack used today and proven to work
- **Order “Thumb printing”** – HMAC sign your orders with a digital thumb print for additional security - two factor authority for APIs

### API Support and Documentation

If you have any questions about Intraday API 2.0 then please contact: [idapi@nordpoolgroup.com](mailto:idapi@nordpoolgroup.com)

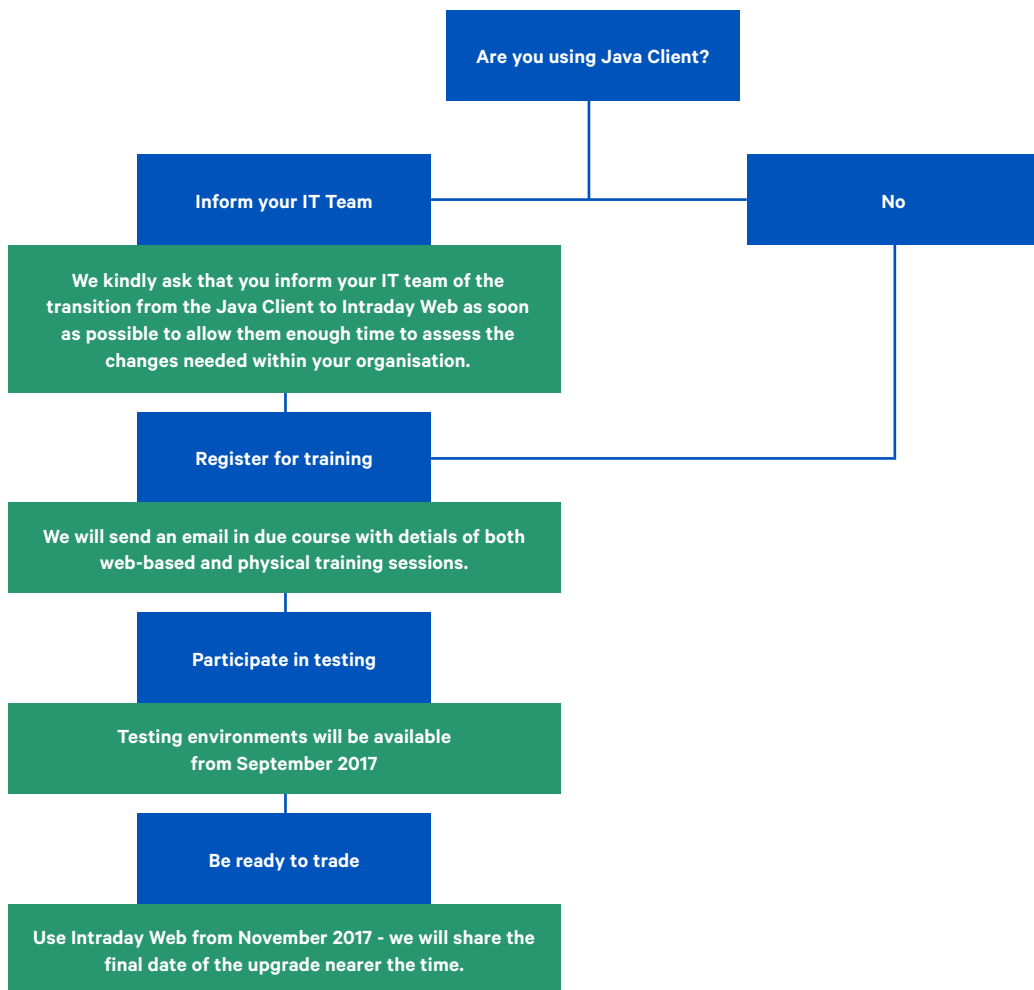
API documentation will be made available on the Nord Pool Developer Hub in line with the project timeline. Customers can access the portal via the link: <https://developers.nordpoolgroup.com/>

If you have forgotten your password or need to register for access, please sign up for instant access here: <http://www.nordpoolgroup.com/TAS/api/>

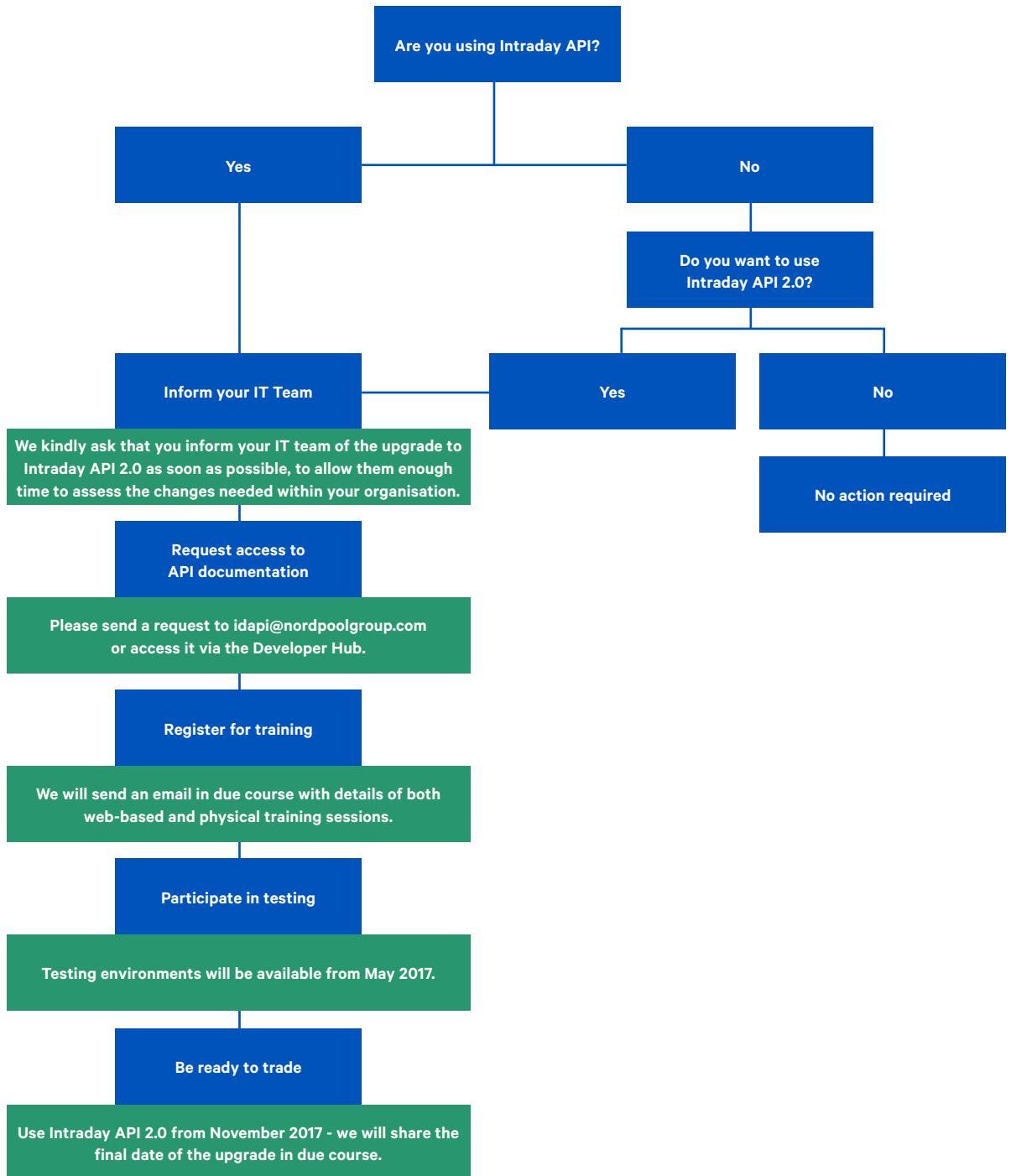


## 07 What action should I take?

### Customers using Elbas4 Java Client



### Customers using Intraday API



## 08 Where can I get support?

If you have any questions or require support through the upgrade process, please get in touch with your [local Market Manager](#) or email: [support@nordpoolgroup.com](mailto:support@nordpoolgroup.com)