Le réseau de transport d'électricité

SYGA-TOPASE switchover Technical Workshop

19th September 2023

for:

- balancing service providers
- scheduling agents

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PART A : for balancing service providers and scheduling agents

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   - Access to SYGA after the switchover

1 Context and schedule

SYGA-TOPASE switchover

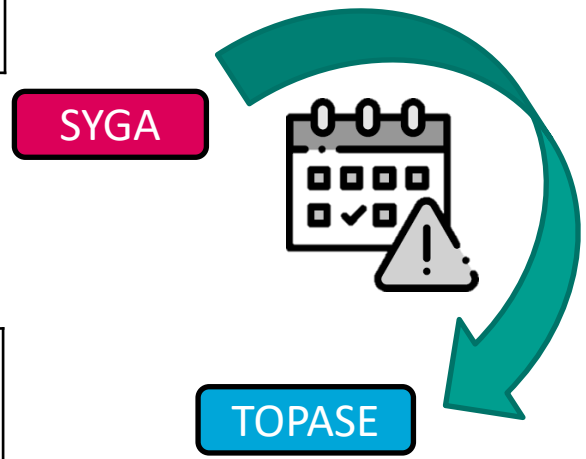
Context of the switchover from SYGA to TOPASE

Section 1 of the current terms and conditions MA-RE :

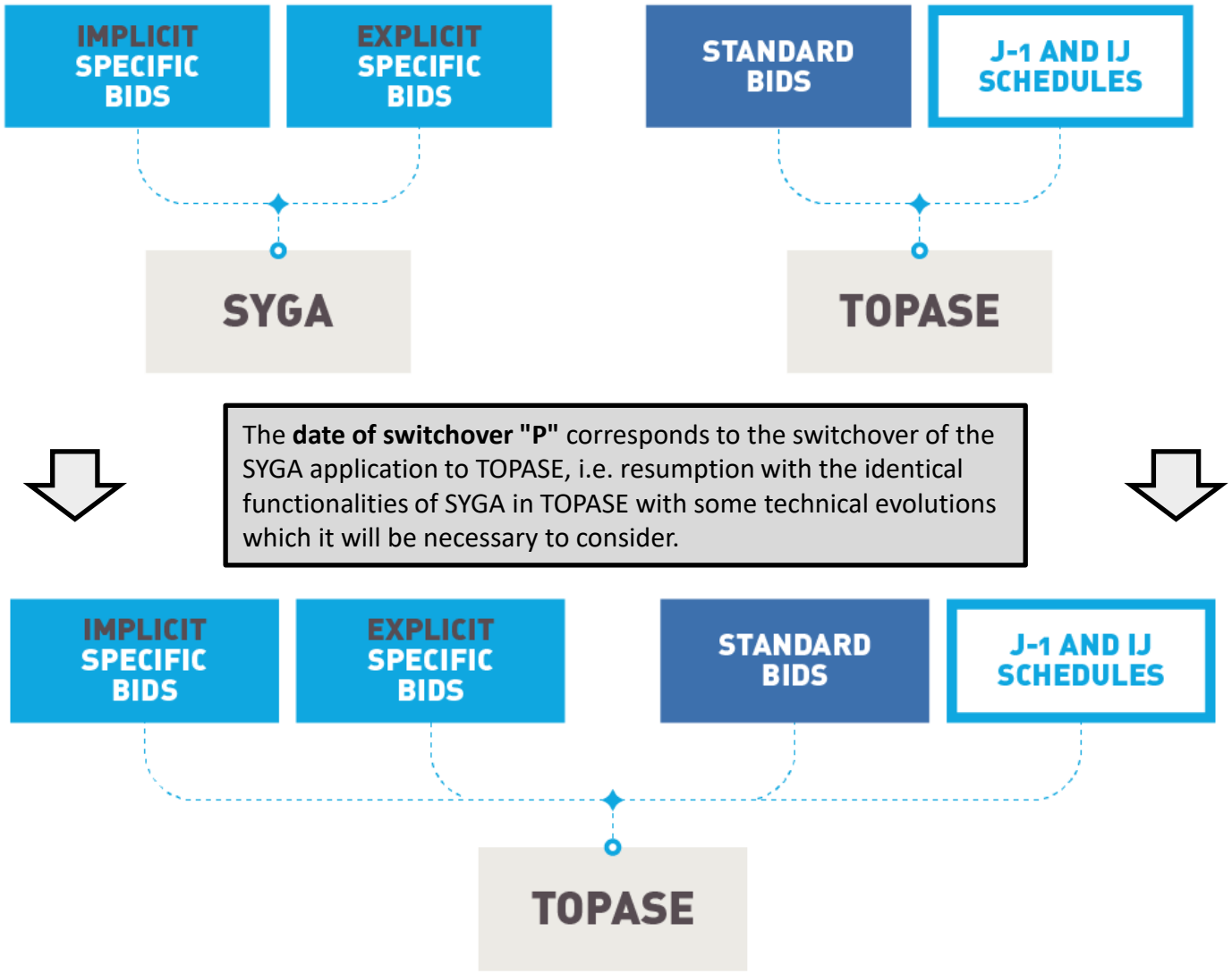
SYGA	Up to date P, application for the interface between RTE and the Balancing Service Provider. It allows: – the Balancing Service Provider to Submit, Modify and Withdraw Specific Bids, declare Bid Usage Conditions and where applicable Redeclare them; – RTE to provide Balancing Service Providers with the different files described in the IS Terms and Conditions.

The date of switchover "P" corresponds to the switchover of the SYGA application to TOPASE, i.e. resumption with the identical functionalities of SYGA in TOPASE with some technical evolutions which it will be necessary to consider.

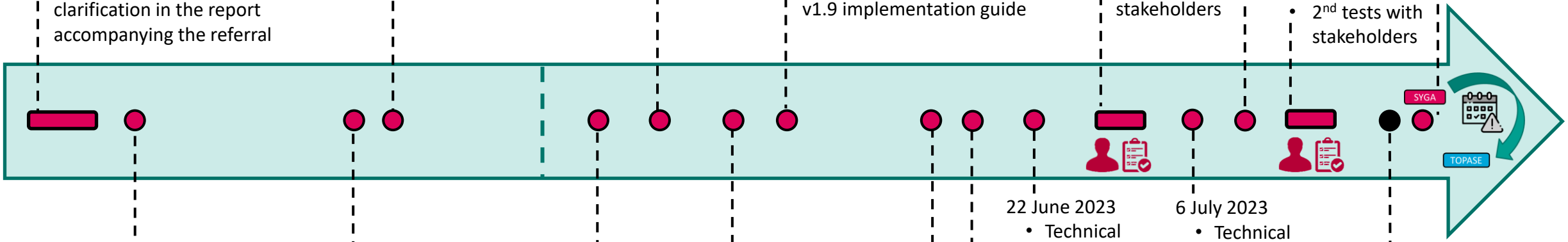
TOPASE	Application interface for Scheduling of the Balancing Mechanism between RTE, the Balancing Service Provider and the Scheduling Agent, allowing: - the Scheduling Agent to Submit and Redeclare Forecast Dispatch Schedules; - the Balancing Service Provider to Submit, Modify, and Withdraw Standard RR Bids; - from date P, the Balancing Service Provider, to Submit, Modify and Withdraw Specific Bids, declare the Bid Usage Conditions and possibly redeclare them.



Context of the switchover from SYGA to TOPASE



Schedule for the switchover from SYGA to TOPASE



January – April 2022
- Integration in the MA-RE terms and conditions v.10 of the application change + clarification in the report accompanying the referral

30 June 2022
- Presentation of the evolutions regarding the switchover from SYGA to TOPASE

13 October 2022
- First technical workshop

3 October 2022
- Sending of an intermediate version of the TOPASE v1.9 implementation guide

27 January 2023
- Updates of the Services Portal and availability of the TOPASE v1.8.1 and v1.9 implementation guides

7 February 2023
- Communication to all SAs and BSPs about updates to the Services Portal and TOPASE implementation guides

9 March 2023
- Second technical workshop

End March
- New additions to the TOPASE v1.9 implementation guide

16 May 2023
- Third technical workshop

9 June 2023
- Publication of additional details on the TOPASE v1.9 implementation guide

22 June 2023
- Technical workshop before 1st tests

28/29 June 2023
- 1st tests with stakeholders

6 July 2023
- Technical workshop before 2nd tests

17 & 24 July 2023
- Communication on the new full version of TOPASE

5 & 6 Sept. 2023
- 2nd tests with stakeholders

19 septembre 2023
- Dernier atelier technique ad hoc avant la bascule

26th of September 2023
- **Date of the switchover** to TOPASE for specific bids (cf. date P of terms and conditions)

2 Update of the implementation guide

SYGA-TOPASE switchover

Technical documentation for the switchover

TOPASE v1.8.1 implementation guide

- Document with IT rules for the current version of TOPASE (i.e. production environment)

TOPASE v1.9 implementation guide (last upate in July)

- The implementation guides v1.8.1 (current) and v1.9 (coming soon), as well as the guide introducing to the TOPASE GUI, are available on the Services Portal: page "Transmission of balancing energy bids"

TOPASE v1.9 implementation guide (update for September)

- Updates to incorporate requests for clarification made during the second phase of testing :
  - Improved technical specifications for the ANNU structure (to cancel an offer)
  - Insertion of a summary table to provide a more exhaustive view of the labels accessible for daily messageLogs by API. Currently there are only a few non-exhaustive examples.

3 Analysis of tests carried out by stakeholders

SYGA-TOPASE switchover

Analysis of tests carried out between 21 April and 15 September



- **32 BSPs have successfully deposited at least one offer** on the TOPASE pre-production environment, and tests have led to almost 38k offers.
- 16 BSPs have successfully uploaded at least one CT_PROD_1 file to the TOPASE pre-production environment, and tests have resulted in almost 473 files.
- 14 BSPs have successfully uploaded at least one CT_PROD_2 file to the TOPASE pre-production environment, and tests have resulted in almost 362 files.
- 3 BSPs have successfully uploaded at least one CT_PROD_3 file to the TOPASE pre-production environment, and tests have resulted in almost 221 files.
- 11 BSPs have successfully uploaded at least one CT_PROD_4 file to the TOPASE pre-production environment, and tests have resulted in almost 305 files.
- 15 BSPs have successfully uploaded at least one CT_PROD_5 file to the TOPASE pre-production environment, and tests have resulted in almost 379 files.
- 24 BSPs have successfully uploaded at least one CT_CE file to the TOPASE pre-production environment, and tests have resulted in almost 1,037 files.

Number of stakeholders close to or exceeding the number of stakeholders submitting for production since July 21, for example

Stakeholders' self-assessment of their tests



Follow-up form for tests carried out by stakeholders from July 21 to September 15
→ 16 players responded

Tests carried out on API and entered in the form = 131
13/16 of responses indicate that no problems were encountered

Tests carried out on HMI and entered in the form = 78
11/17 of responses indicate that no problems were encountered



Most of the comments, from just three stakeholders, express :

- A user recognition problem (i.e. unknown), identified by RTE after analysis, a problem which only concerns the pre-production environment, and which will be corrected shortly. This problem should not concern production, as it seems to only affect certain pre-production certificates.
- Doubts about the confidentiality of the platform, probably linked to access to all BE codes, but RTE confirms that there are no confidentiality issues, and that viewing the list of the codes of BEs will soon be restricted to the stakeholder’s BEs only.
- A lack of understanding of how "S", "PC" and "FDN" statuses work, as they are not identical with SYGA (this will be explained in another slide).

Stakeholders' self-assessment of their tests

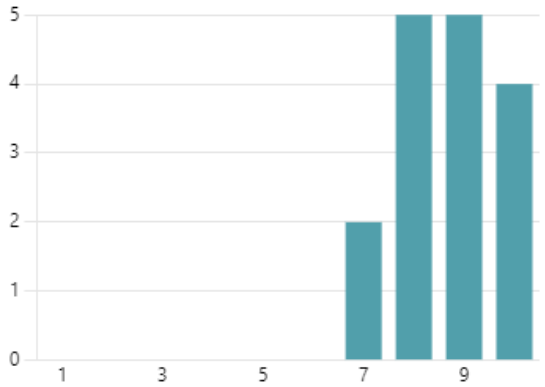


Follow-up form for tests carried out by stakeholders from July 21 to September 15
→ 16 players responded

Sur une échelle de 1 à 10, merci d'indiquer votre niveau de confiance concernant votre capacité à réaliser les actions du processus J-1 sur l'application TOPASE ? 10 étoiles étant la note de confiance maximale

Plus de détails Aperçus

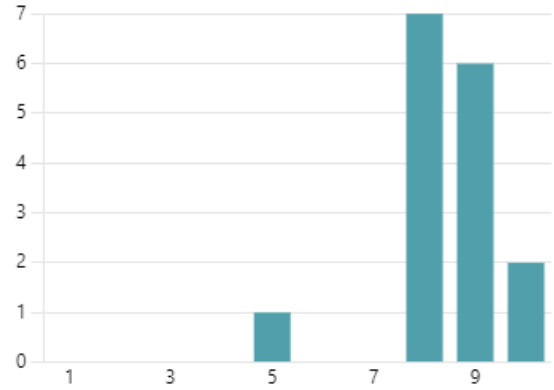
8.69
Évaluation moyenne



Sur une échelle de 1 à 10, merci d'indiquer votre niveau de confiance concernant votre capacité à réaliser les actions du processus IJ sur l'application TOPASE ? 10 étoiles étant la note de confiance maximale

Plus de détails Aperçus

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Évaluation moyenne



Stakeholders' self-assessment of their tests

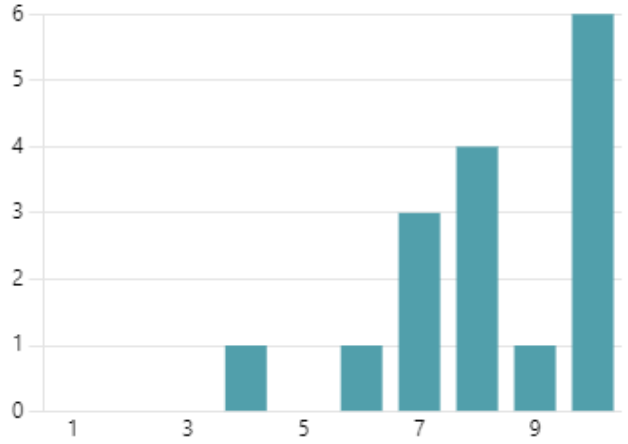


Follow-up form for tests carried out by stakeholders from July 21 to September 15
→ 16 players responded

Sur une échelle de 1 à 10, merci d'indiquer votre niveau de confiance concernant votre capacité à réaliser un roll-back sur l'application SYGA ? 10 étoiles étant la note de confiance maximale

Plus de détails Aperçus

8.25
Évaluation moyenne



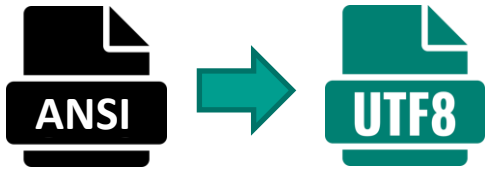
4 Things to be aware of for the switchover

SYGA-TOPASE switchover

Things to be aware of for the switchover



Always use .csv files, do not upload .xls files, do not open .csv files as .xls files.



Do not send files encoded in ANSI but in UTF-8, as some elements may appear erroneous or unreadable to RTE.

1. First switch to UTF-8
2. Then check that there are no abnormal characters or accents

Things to be aware of for the switchover

RTE identified that a stakeholder had incorrectly performed tests on the API in a production environment. A weakness existed, and this has been corrected. However, RTE reminds that it is strictly forbidden to try to use TOPASE for specific balancing offers, as long as RTE has not notified an official switchover GO the day of the switchover on the application in production.

During pre-production tests, some stakeholders were confronted with an "unknown" message which, according to RTE's analysis, seems to be the result of a partial defect in the pre-production certificate. This problem should not recur for production certificates. Nevertheless, corrections will be made to avoid this problem persisting in the pre-production environment.

Avoid making cancellations after bid modifications, as this makes it very difficult, if not impossible, to create a new bid if the modified bid is at status “PC”. An anomaly has been detected during final tests, which will persist for the switchover and will be corrected for a future version of TOPASE. It is therefore important for players to take this anomaly into account so as not to lose control over the creation of a new offer.

<u>Status of an offer after submission :</u>

- "S" for submitted, meaning that the offer has been submitted and received in TOPASE, but not yet processed by a gate
- "PC" for taken into account, which means that the offer has been processed at the first gate and that it has been communicated to the RTE IS. However, it can still be modified.
- "FDN" for window and neutralization delay, which means that the offer processed by a gate closure is now identified on a current price slot or within the neutralization delay before the start of its validity period. It can therefore no longer be modified.

How to approach the first intraday gate on TOPASE ?

If the BSP has already submitted the offer (i.e. SOUM) beforehand in SYGA before the switchover,

- Then he must submit any modification/cancellation with "MODI" or "ANNU" in TOPASE because the offer should be already identified in TOPASE thanks to the switchover

If the BSP has not previously submitted the offer (i.e. SOUM) in SYGA before the switchover,

- Then he must submit the first file with "SOUM" in TOPASE, before any subsequent redeclarations

According to the terms mentioned in TOPASE v1.9 implementation guide

Any technical questions to prepare the switchover ?

For any technical question (before the switchover), you can contact the team via (after having read the implementation guide):



rte-refontema-top@rte-france.com

5 Items to be corrected after switchover

SYGA-TOPASE switchover

Corrections for a TOPASE version after the switchover

Non-blocking anomalies that will be corrected after the changeover in early November :

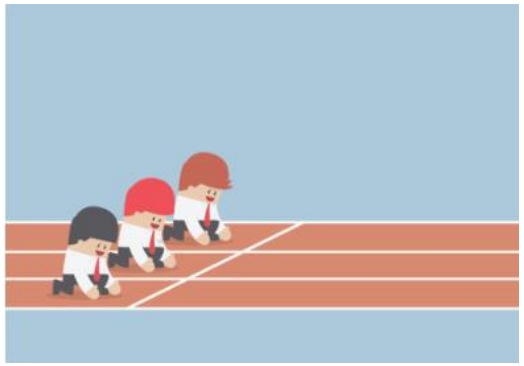


- Have a single, more explicit message for all conditions files arriving at a gate closure outside D-1 and D-7.
- Prevent line breaks when the actor enters a comment when creating or modifying an offer via GUI –cf. Offer Journal).
- Manage an offer file containing "SOUM", "MODI" and "ANNU". ANNU and MODI do not respect the correct structure.
- Automatically update offer information in the Offer Journal when the gate closure passes over.
- Display the real direction of the offer in the GUI, because when modifying an offer via the GUI, the "Offer direction" field always displays “downwards” by default (with no impact for the offer).
- Prevent blank lines in a "CT_CE" file from causing a file with valid lines or blocks to be rejected.
- Recover the MRID of new actors from the repository, to avoid depositing files with an unknown actor name (UNKNOWN) in the TOPASE pre-production environment.
- Enable stakeholders to recreate offers on the same slot following cancellations on modifications.
- Prevent actors from seeing each other's EDA codes when filtering their EDAs in the Offer Journal (later version).

6 TOPASE PKI certificate in production

Bascule SYGA vers TOPASE

You must have a TOPASE production PKI certificate !



Based on an analysis carried out by RTE, all balancing stakeholders with at least one BE within their balancing perimeter appear to have at least one TOPASE production PKI certificate associated with a company e-mail address.

If you don't already have one for this environment, request your production PKI certificates for TOPASE immediately :
Accessing market applications - RTE Services Portal (services-rte.com)

If you need to add profiles or change information, contact your RTE commercial contact immediately ! Finally, don't forget to check the validity of the certificates you already have !





But don't forget to check ! Without a TOPASE production certificate, you won't be able to make the SYGA-TOPASE switchover ! Please note that the PKI certificate for TOPASE in production is different from the PKI certificate for TOPASE in pre-production.

7 SYGA-TOPASE switchover strategy for the 26 September 2023

SYGA-TOPASE switchover

Main principles for the switchover SYGA-TOPASE

The switchover will be carried out in relation to a date (i.e. September 26) and a calendar time (i.e. first TOPASE gate closure at 10am).

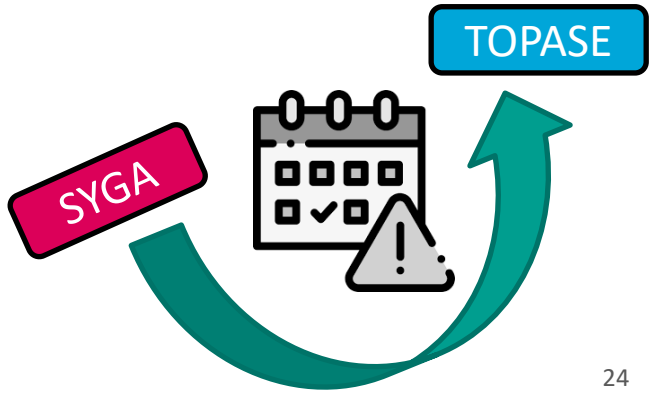
There will be no "parallel run", and the switchover will require **the closing of three gates**, between the last deposit gate on SYGA and the first deposit gate on TOPASE.

More specifically, on the day of the switchover and from the first gate considered :

- on notification from RTE, all specific IJ offers (and associated conditions) must be declared **solely on TOPASE** for the first two gates identified after the two closed gates
  - if all goes well, the following specific ID offer gates will be processed via TOPASE
  - in the event of a **roll back**, notified by RTE, the BSP must declare the IJ offers (and associated conditions) **on SYGA**
- on notification by RTE, all DA offers must be declared **solely on TOPASE** only on D for D+1:
  - if all goes well, the following D-1 specific offer gates will be processed via TOPASE
  - in the event of a **roll back**, notified by RTE, the BSP must declare the DA offers (and associated conditions) **on SYGA**

Different principles according to the deadlines:

- **Early transmission for days prior** to the changeover day D (inclusive), between D-7 and D-1
  - ❖ Transmission only in SYGA
- **Early transmission for days after** the changeover day D, between D-7 and D-2
  - ❖ Avoid transmitting offers in SYGA and TOPASE, **RTE recommends not transmitting files in advance for delivery days after the changeover day, as long as the switchover has not been successfully validated**



Prepare for the possibility of a roll-back



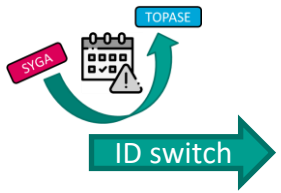
It is important that the stakeholders prepare the offer files in the event of a roll back. For example, the day before the switchover, the stakeholders prepare the data for the day of the switchover (offer files on ID and DA, and associated conditions) so that they can be injected via the historical channel (SYGA), **only in the event of a rollback**.

Starting a process of rollback will be done with two notifications from RTE :

- a first e-mail to notifiy of the start of the rollback process
- a second e-mail to notify of the effectivity of the rollback and the moment since the historical channel (SYGA) is operating again

If a technical incident makes the rollback impossible, RTE might have to notifiy of the start of the « rescue » mode for the D-1 process, only based on a dedicated notification and according to the TOPASE implementation guide v1.9.

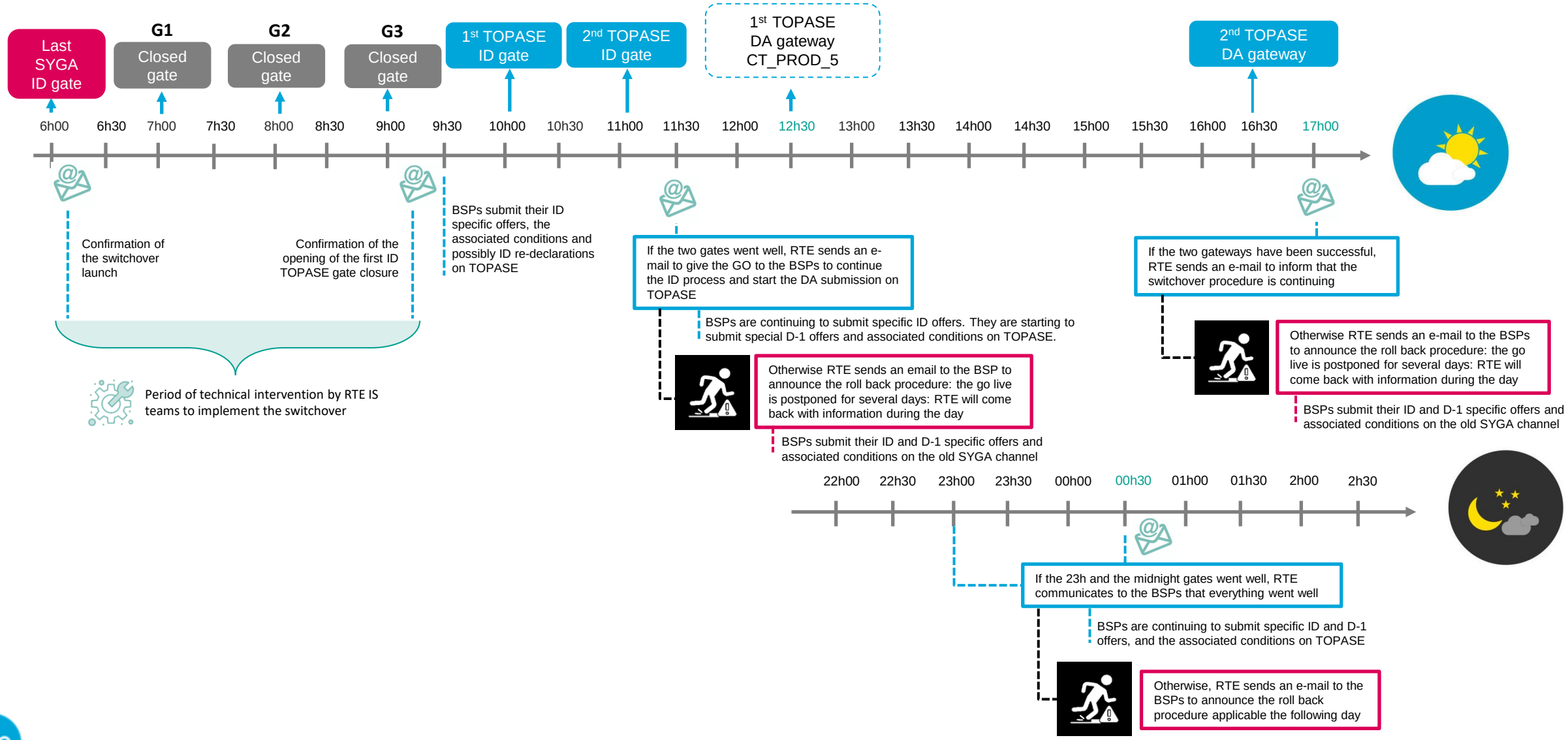
Strategy for the switchover as planned by RTE



	SYGA	TOPASE
Early deposit prior to the switchover day D (i.e. D-7 to D-2) for delivery on days prior to the switchover day D	YES	NO
Early deposit prior to the switchover day D (i.e. D-7 to D-2) for delivery on the switchover day D	YES	NO
Early deposit prior to the switchover day D (i.e. D-7 to D-2) for delivery on days after the switchover day D	NO (RTE request)	NO
Deposit in DA for delivery on the switchover day D	YES	NO
Deposit in ID, during the switchover day D, and for the gates prior to the closed gate G1	YES	NO
Deposit in ID, during the switchover day D, and for the dates after the closed gate G3	NO	YES
Deposit on the switchover day D for delivery the next day D+1 (if ID switchover validated)	NO	YES
Deposit on the switchover day D for delivery days after D+1 (i.e. D+2 to D+7)	NO	NO (RTE request)
Deposit after the switchover day D for ID (if the whole switchover is validated)	NO	YES
Deposit after the switchover day D for DA (if the whole switchover is validated)	NO	YES
Deposit after the switchover day D for delivery days in D+2 to D+7 (if the whole switchover is validated)	NO	YES

It should be noted that in order to secure the switchover, the G1, G2 & G3 gates should be removed.

Summary of the planned switchover day



8 Means and communication rules on the day of the switchover

SYGA-TOPASE switchover

Communication rules on the day of the switchover - TEAMS

Réunion Microsoft Teams

Participez à partir de votre ordinateur, de votre application mobile ou de l'appareil de la salle

Cliquez ici pour rejoindre la réunion

ID de la réunion : 339 815 160 069

Code secret : jg7Cun

Télécharger Teams | Rejoindre sur le web

Rejoindre avec un appareil de visioconférence

teams@ovp.cloud-rte-france.com

ID de vidéoconférence : 126 585 229 0

Autres instructions VTC

Ou composer le numéro (audio seulement)

+33 1 70 99 53 92,,548203851# France, Paris

ID Conférence Téléphone: 548 203 851#

Rechercher un numéro local | Réinitialiser le code confidentiel

Teams channel opened **from 9am to 5pm**

- During this support period :
  - it is possible to ask written questions on the "Teams" chat, please :
    1. indicate the stakeholder you represent ;
    2. specify your question or problem ;



- Please read the TOPASE implementation guide carefully, analyzing any problems you may encounter, so that we focus on the most critical issues.

- The RTE IS team will be working on the technical switchover. Therefore, the ability to answer might change during the day.

Communication rules on the day of the switchover - MAILS



During the day of the switchover, RTE will send out e-mail messages to regularly inform players of the achievement of the day's various milestones (or of the need to launch a roll-back procedure).

- Advance notification of the cancellation of SYGA gate closures for technical intervention on the day of the switchover.
- Communication the day before the switchover (i.e. Monday September 25) to confirm the following day's switchover
- Communication on the morning of the switchover at 6.15 a.m. to confirm the start of the technical intervention
- Communication on the morning of the switchover at 9:15 a.m. to confirm the end of the technical intervention and the opening of the first gate closure on TOPASE
- Communication on the morning of the switchover at 11:30 a.m. to inform of the success of the changeover on the ID process and confirm the continuation of the switchover
- Communication in the afternoon of the switchover at 5 p.m. to inform of the success of the switchover on the D-1 process and confirm the continuation of the switchover
- Night-time communication at 00:30 to inform of successful SYGA-TOPASE switchover



In the event of a technical problem identified by RTE, the launch of a roll-back procedure will be accompanied by notifications from RTE :

- a first e-mail to notify roll-back launch
- a second e-mail to notify you of the roll-back's effectiveness, and when the SYGA application is newly operational

9 Access to SYGA after the switchover

SYGA-TOPASE switchover

Access to SYGA after the switchover

Purpose: to enable stakeholders to consult SYGA historical data, SYGA's production environment will be reopened after the switchover.

If the switchover from SYGA to TOPASE is successful :

- Reopening of the production environment on Wednesday 27/09 during the day.
- There is no "read mode" on this environment, so all compliant documents filed will be visible, but they will no longer be used in downstream applications.

Only the TOPASE application will be used for filing documents after the switchover

SYGA will be open **until the end of 2023**. The environment will then be dismantled.

- Data will be kept by RTE for 5 years.

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Thanks

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