EUROCONTROL

User guide for requesting BADA access

CONSORTIUM COORDINATOR sesar DEPLOYMENT MANAGER

FOUNDING MEMBER sesar JOINT UNDERTAKING

NETWORK MANAGER

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Can anybody obtain a BADA licence, are there any related costs and where can BADA be used?

A BADA licence is free of charge. **However,** we can only provide BADA licence agreements to official legal entities for specific use cases and not to an individual 'physical person' for private ventures.

⚠ **Students?** As a general policy, we are not permitted to grant licences to students

We can only consider licence requests from universities or similar, that have been submitted via an authority at the university (staff members, legal services, administration, etc.) and who can represent the university regarding legal agreements.

To be granted a user licence your intended use of BADA needs to be in line with the permitted scopes of use permitted by our data providers. BADA is principally used within the domain of ATC/ATM and R&D.

BADA is not intended for aircraft design nor airlines operations. BADA may not be used for comparative studies of aircraft performances nor the validation of other aircraft models.

⚠ **Legal authority?** Verify that you hold the required "legal authority" to submit a licence request

***Before* applying for a BADA licence**, please first ensure that you are first eligible to submit the licence request. Please therefore verify that you hold the required "legal authority" to submit a licence request on behalf of your organisation. We refer to 'legal authority' as similar to signing power, i.e. that you are entitled to represent your organisation with regard to legal binding agreements.

What kind of Licences can I request?

BADA has 3 distinct family types. A BADA licence is required per family type and for each specific use case.

Licence Family 3

Today's standard for aircraft performance modelling which provides coverage close to 100% of aircraft types in the ECAC area. Its objectives are to model accurately aircraft behaviour over the nominal part of the flight envelope and to meet today's requirements for aircraft performance modelling and simulation.

Licence Family 4

A newly developed model family covers 70% of aircraft types in the ECAC area. It provides increased levels of precision in aircraft performances parameters over the entire flight envelope to enable modelling and simulation of advanced systems and future concepts. (BADA 4 is not a later version of BADA 3 ...).

BADA 4 (compared to BADA family 3) is restricted in use. BADA 4 requests should refer to a specific

project/study with accurate details. These details are required not only for our assessment but also to help justify data access when we seek the final approval from our external data providers (aircraft manufacturers). Please be advised that this process can take a considerable amount of time without the guarantee of receiving a positive response.

Licence Family H

BADA H is the new extension of the BADA APM utilised for trajectory simulation and prediction of helicopter aircraft types.

Licences for "Other Tools"

This refers to different commercial tools (software) where BADA is pre-integrated (e.g. AEDT, AEST, TARGETS, Harmony, TAAM, etc.).

These tools are not developed by EUROCONTROL, but other companies who have obtained permission from EUROCONTROL to integrate BADA in their tools. Acquisition of these Tools require prior EUROCONTROL's permission and a licence agreement for BADA. By completing one of the associated request forms, you are requesting this permission. If approved, the Tool provider will be notified and act accordingly with the tool deployment process. Note that by this licence you will not obtain direct access to the BADA data files. The Tool however will be provided to you by the Tool developer (owner) only.

Licence conditions?

The exact type of licence conditions to be applied to your BADA use will depend on your BADA use, the requested BADA version and if your use will be associated with a commercial tool. In all cases a 'draft' agreement will be provided to you for your acceptance before finalising your request.

A sample of our standard licence conditions may be consulted here BADA standard licence agreement

Licence validity

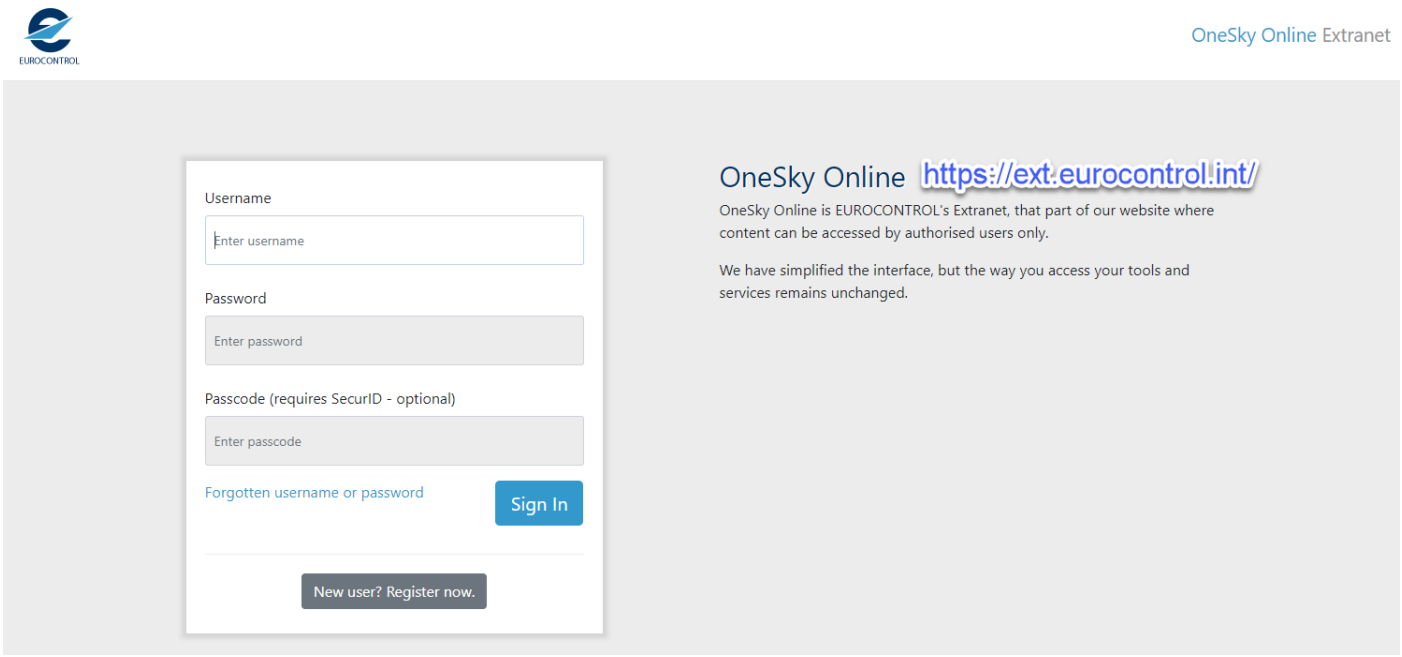
The majority of our BADA licences remain in force for a period of 2 calendar years and may be extended. Licenced users automatically receive 1 month before the expiry date, an email alert inviting them to prolong (online) the licence validity.

For more general information on BADA, please look at our website
https://www.eurocontrol.int/model/bada

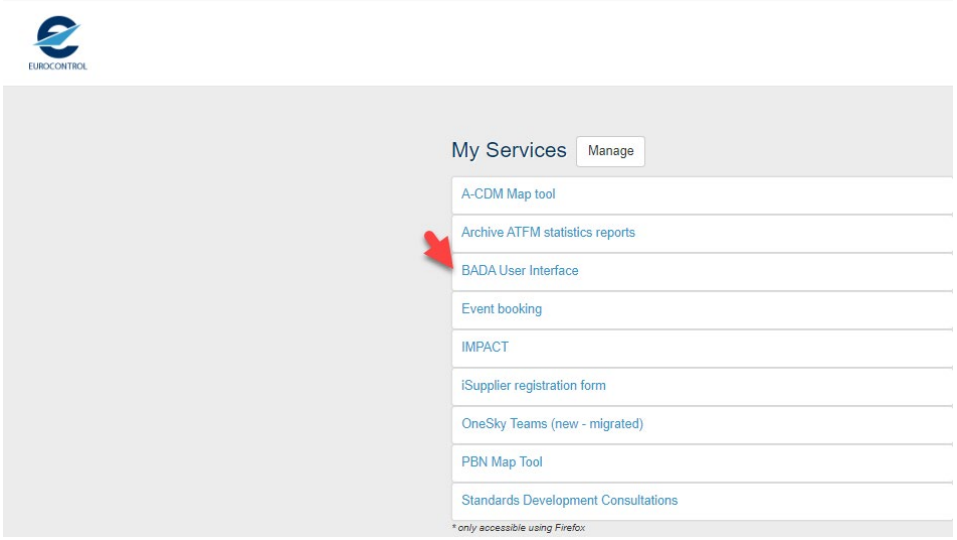
How to submit an online request?

It is necessary **to first register** as a user on the EUROCONTROL extranet portal "OneSky Online" **https://ext.eurocontrol.int/**

Please take note: As part of our request approval process, we require the use of your professional (personalised) email address corresponding to your organisation name. **Please avoid generic email addresses** such as *contact@gmail.com*



Once you have logged on to OneSky online, you should then see a "My Services" page. The **BADA User Interface** is listed among the services available.



Please take note: If you cannot connect to the BADA User Interface page, please retry 24hrs later (due to the synchronisation of our different servers).
Should the problem persist, then please contact the EUROCONTROL Hotline (siam.l2.usercube@eurocontrol.int)

BADA User Interface in general

Our interface allows you to …

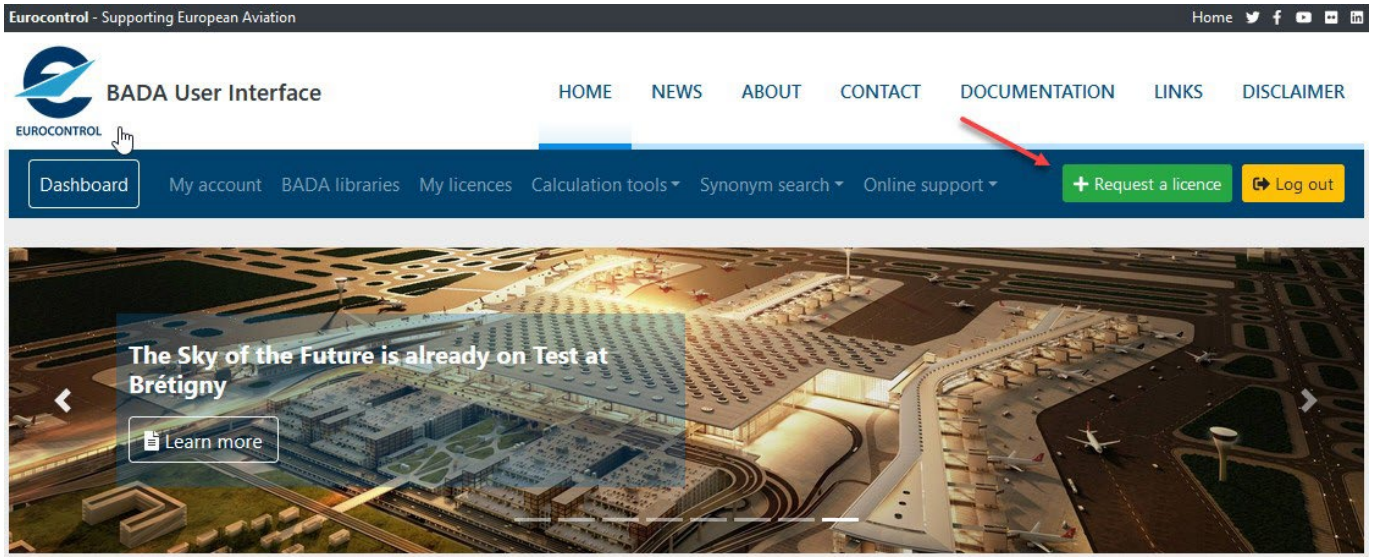
- Follow the progress status of your request
- Communicate directly with the BADA review members regarding your request(s) via ‘Discussions’
- Once the licence has been approved, provide further BADA access to your project team members (they too must have a OneSky online account)

Here are the different steps to request a licence:

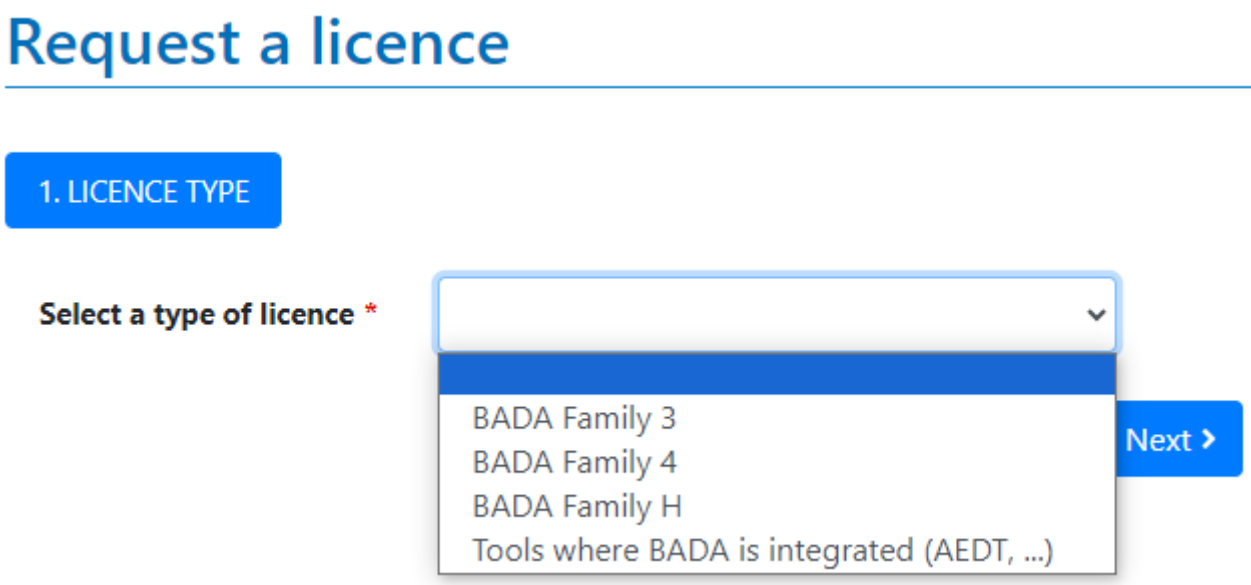
Once you have created a OneSky account, go to the BADA User Interface https://ext.eurocontrol.int/bada/ and log on with your Onesky account details.

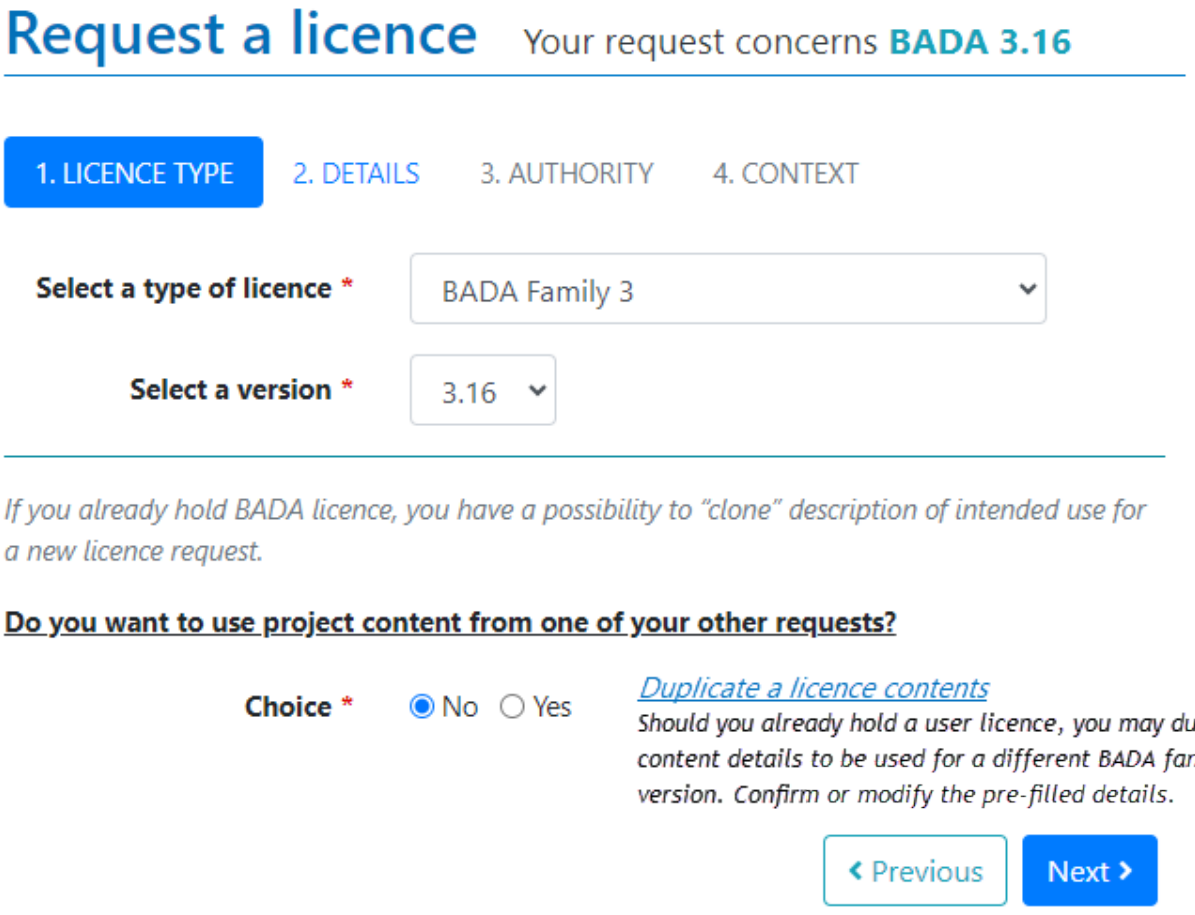
1. SELECT A LICENCE TYPE

First, click on the “Request licence” option.



2. SELECT A FAMILY TYPE AND VERSION



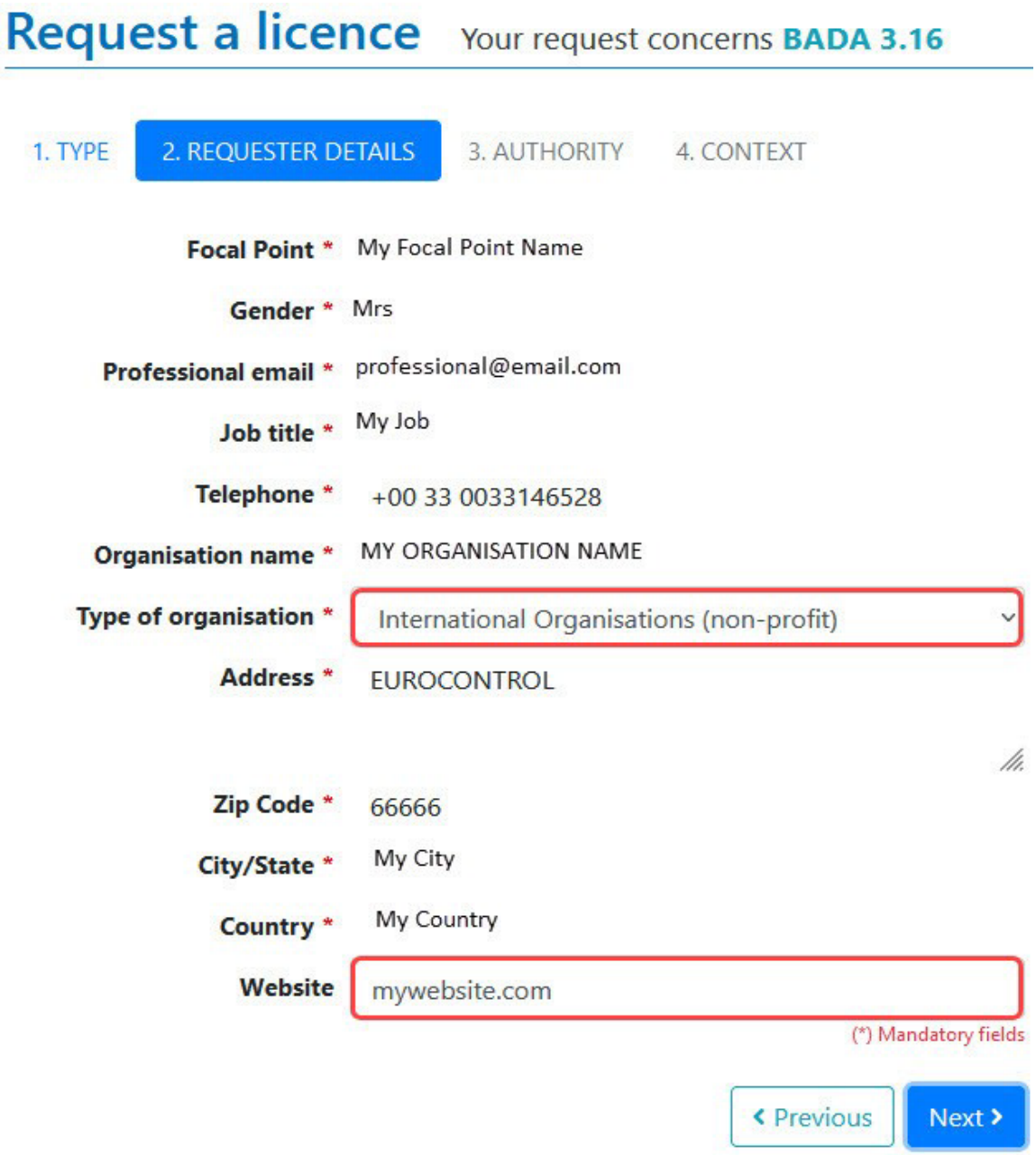


3. DETAILS

Check and complete your personal official details:

Your **email account domain** (e.g. *@eurocontrol.int*) should also be the same as the other members of your organisation for whom you may create additional data access accounts.

⚠ Only one user ID may be associated per email address to avoid *"Access denied, you cannot login as your email is already used in BADA with another OneSky account"*.



⚠ To change any of these details (except "type of organisation" and "website") you must log on your Onesky Online Account to modify your profile details.

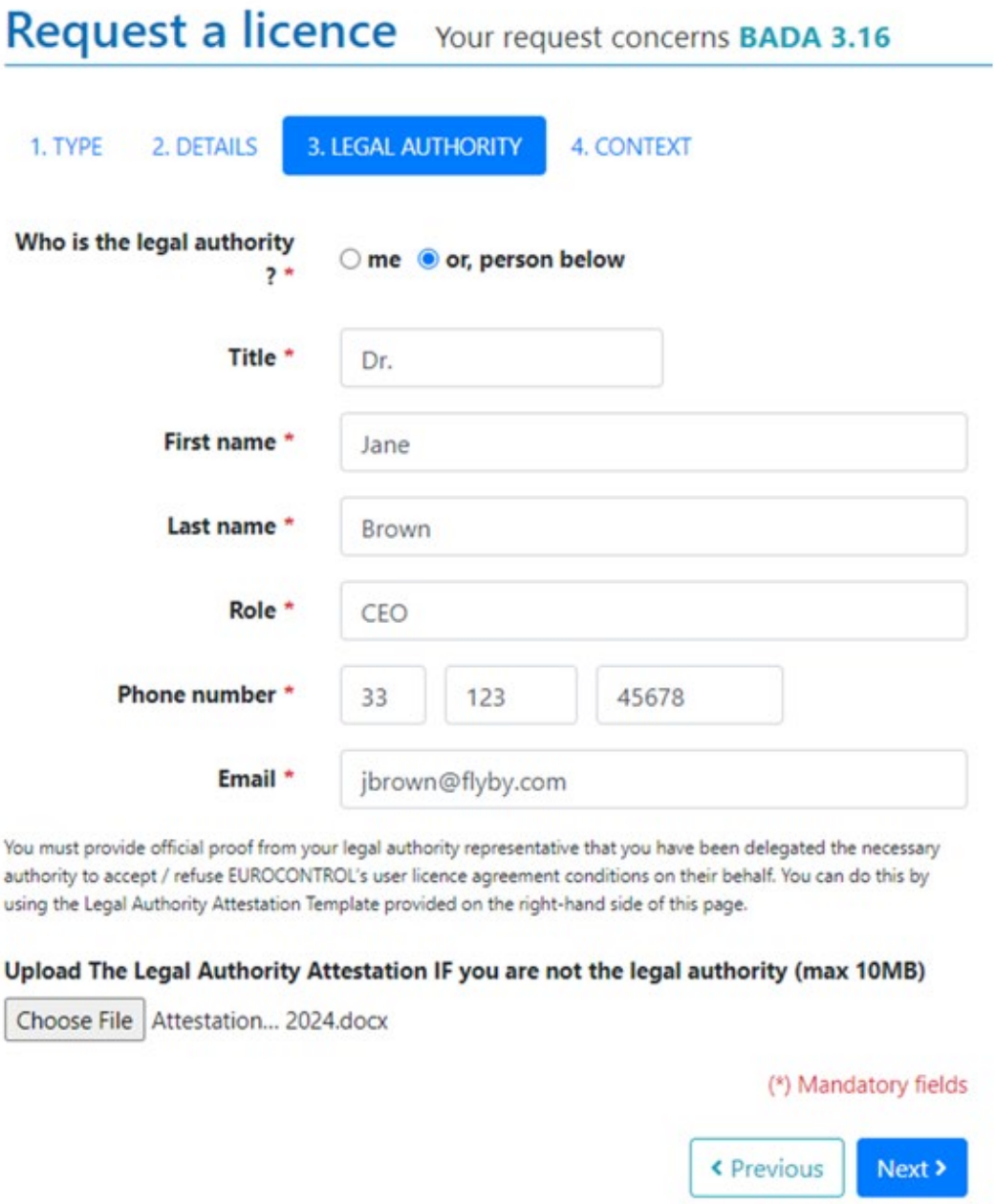
4. IMPORTANT: CONFIRM IF YOU HAVE LEGAL AUTHORITY

Depending on your case, choose whether you have the required legal authority to submit a BADA licence request.

Select the appropriate case:

'*ME*' means you are authorised to bind your organisation with respect to licence agreements with other organisations. Please ensure that you have verified this status with your hierarchy.

'*PERSON BELOW*' means you have been authorised by a person of legal authority in your organisation to submit the licence request. You are required to upload an attestation of delegated authority as proof of delegated authority by this person (a Legal Authority Attestation Template is available at this step). The attestation contact details should refer to the person of authority delegating their authority to you.



If applicable, fill-in the legal authority contact details and complete the template attestation available on our interface

Legal Authority

I, the undersigned, _____ (name of a person with legal authority)

hereby confirm that _____ (name of the assigned BADA Focal point person) has been given the legal authority and permission to commit _____(name of entity) to the terms of the BADA web-license agreement.

Legal Authority details:

Name:

Title:

Name of Company:

Phone number:

Email:

Date:

Signature:

5. CONTEXT OF USE

Please carefully fill in the information requested as it is needed by the BADA Board to review your data needs.

Request a licence Your request concerns **BADA 3.16**

1. TYPE | 2. DETAILS | 3. AUTHORITY | 4. CONTEXT OF USE

Intended use of BADA :

Domain/Field of application *

Description of intended use (summary) *

470 remaining

Detailed description of intended use *

Add text

Sponsors and Partners *

200 remaining

Description of tools where BADA will be implemented *

400 remaining

Is it your intention to implement BADA into a tool that will be commercialised by your company ?

Choice: * ○ Yes ◉ No

(*) Mandatory fields

‹ Previous | Submit

Please take note: Providing us a clear description of use will not only enable us to understand your needs but help us to justify your BADA needs in line with its permitted uses

Remark concerning BADA *Commercial Use*:

Do you intend commercialising a tool where BADA will be integrated?

In certain domains, it is permitted to develop commercial tools with “BADA inside” provided that the end-users (third parties) of the commercialised tool also obtain a licence from EUROCONTROL. It is not permitted to sell BADA or BADA data as such.

6. SUBMIT LICENCE REQUEST

Click on the “Submit” button to finalise your licence request

Once successfully completed, you will receive an email confirming the receipt of your request.

Licence reference L000007 Status "SUBMITTED"

Dear John Smith,

Your BADAH request has been successfully received by EUROCONTROL and is under review.

You will receive progress updates of your request by email.

To follow up its status and interact with BADA Review Board (query, provide clarification on your request, review and accept licence agreement terms and conditions, etc.) you may do so by using the BADA dedicated tool:

FOLLOW-UP

Attached is a short user guide describing the BADAH request workflow process.

You will find details on how we manage your personal details in the attached document.

BADA Access Support - EUROCONTROL Innovation Hub

http://www.eurocontrol.int

Please consider the environment before printing this e-mail

FOLLOW-UP

Using the "follow-up" link, you may check the status of your request and communicate with the BADA team via the discussion feature.

What happens after I submit my online BADA licence request?

Our review team will now assess your request. You may be contacted via the BADA User Interface discussion (chat) to provide supplementary details or clarifications.

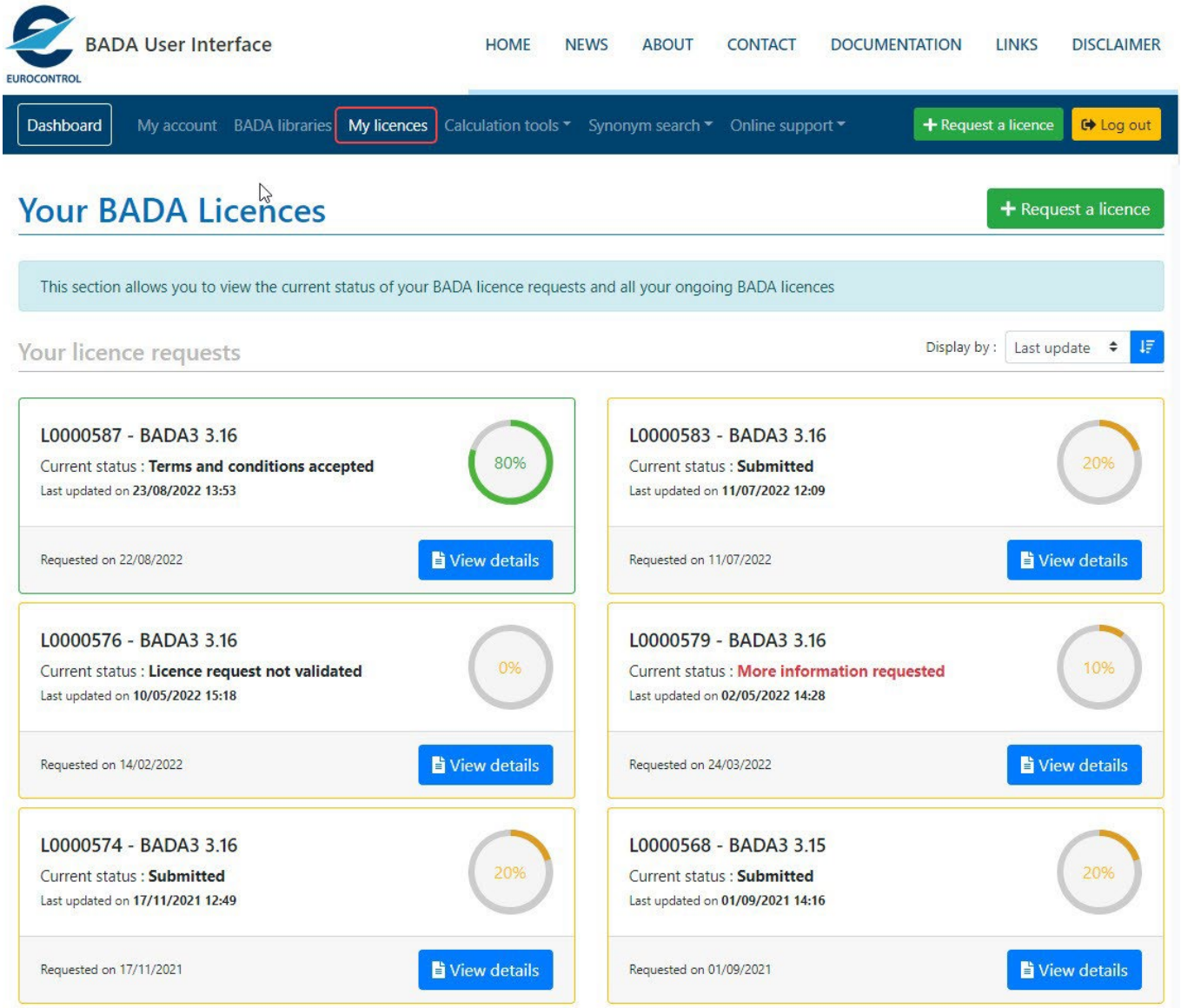
Once our reviewers have completed their assessment, you will be informed of the outcome. Should your request be initially approved, we will provide you a draft licence agreement for your acceptance. When a user accepts the draft agreement, we will then provide you a final version of the licence along with access to the requested BADA data or our approval for BADA in relation to a tool using BADA.

BADA User Interface and our licencing process steps

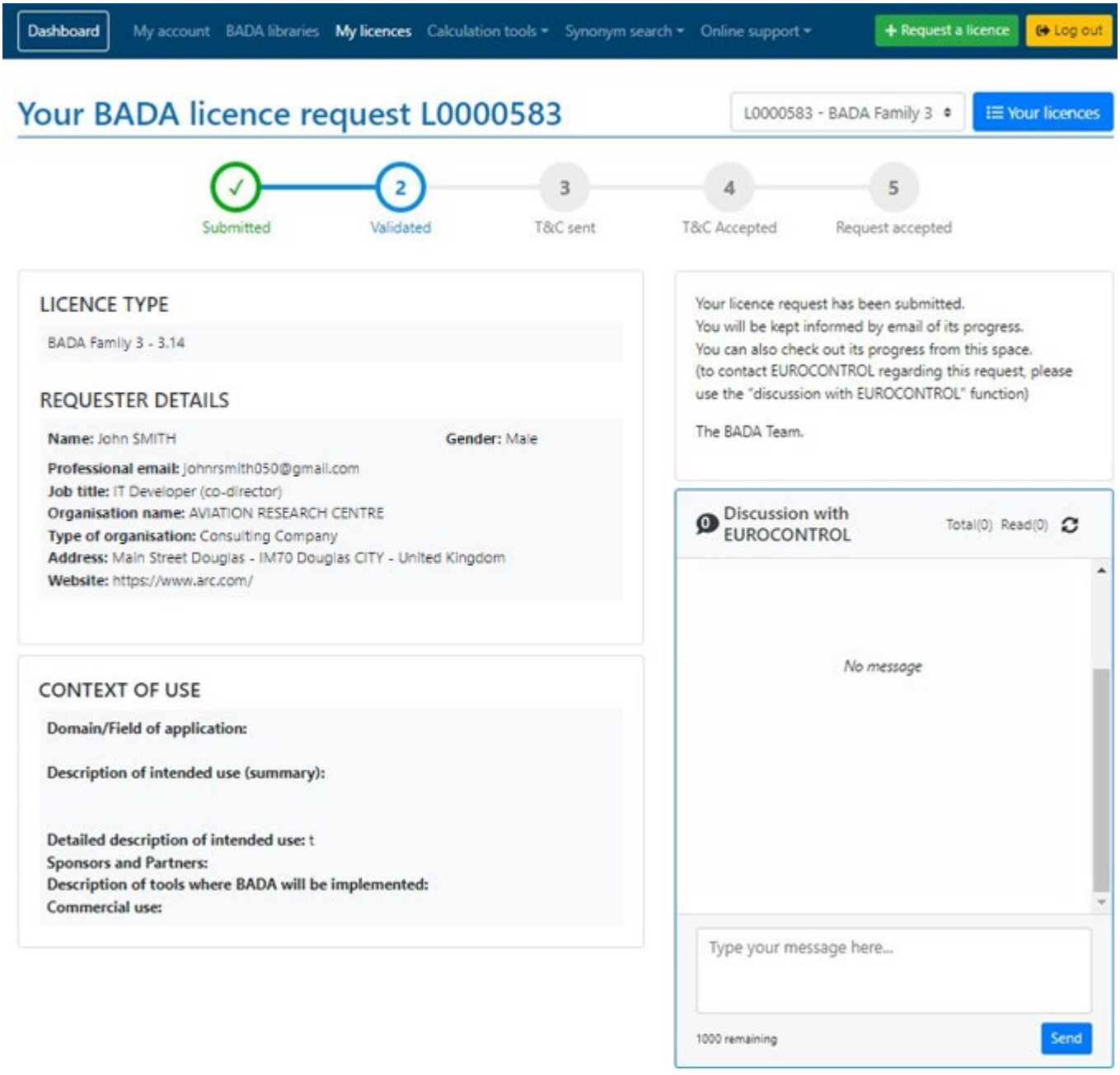
Access to the BADA User Interface

First log on the BADA User Interface page (https://ext.eurocontrol.int/bada) and click on the "My Licences" Menu (*or use the follow-up link received by email*).

By clicking on "My Licences" you access a summary of your ongoing licence requests and the approved ones.



Step 1: Your request has been submitted and is under review.



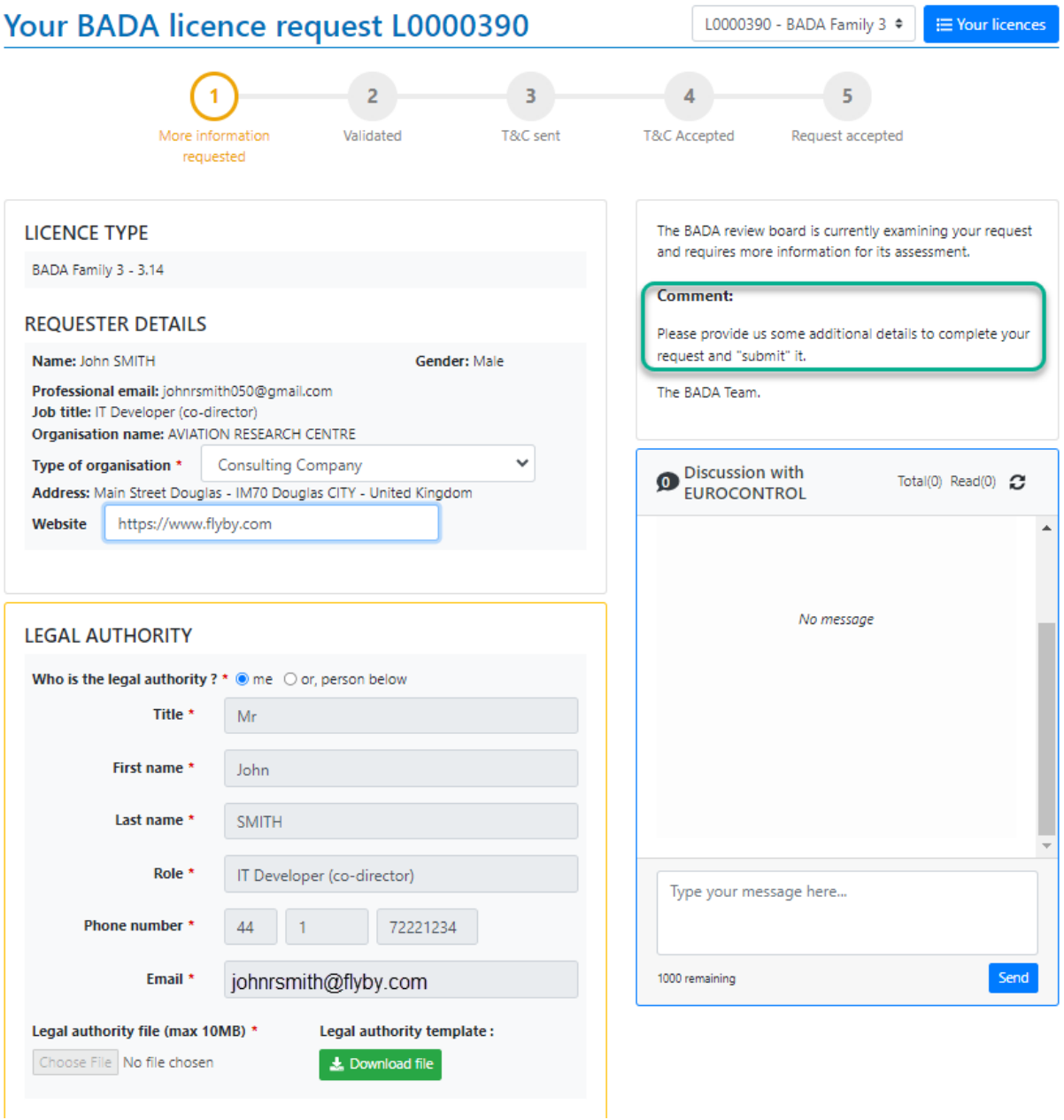
Step 2: Validation.

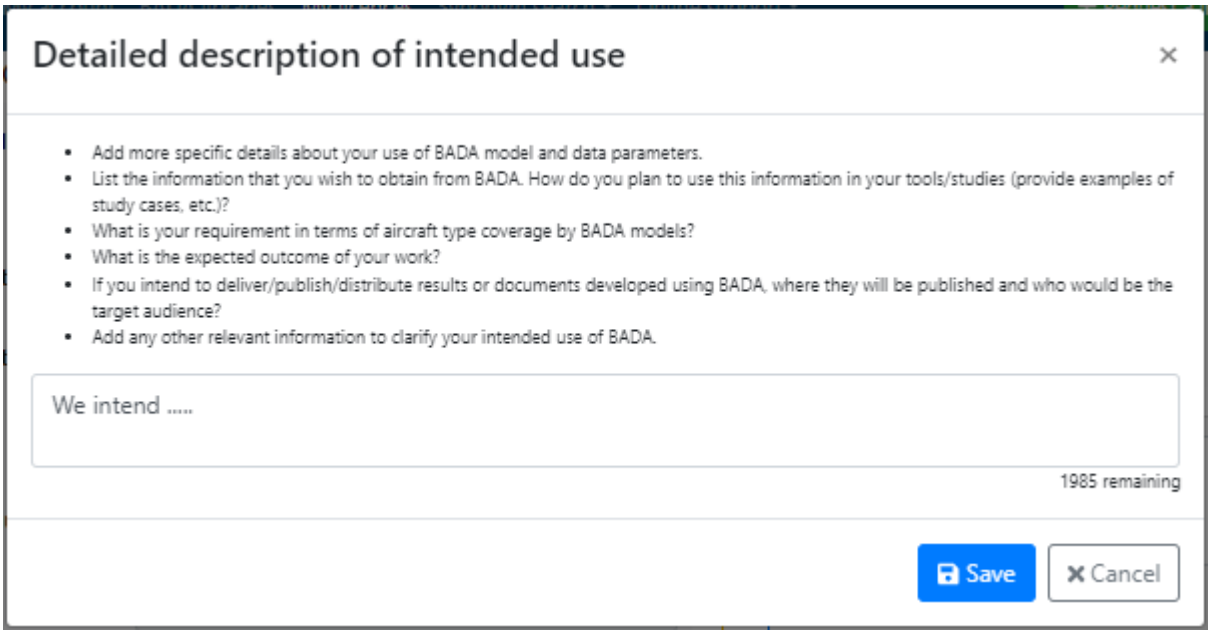
Step 2 will depend on whether your request has met our review team's requirements …

Case 1: "Licence Request Validated" Your request has satisfied our review in line with the permitted BADA uses

Case 2: "More information requested" Our reviewers require more information/clarifications to complete the review process.

You may be contacted via the BADA discussion for more information. Here we ask the requestor to provide additional information to complement the original request details. In some cases, an online meeting may be arranged to hasten the validation process.





When a requestor has provided “more details” and re-submitted the update, the request is then moved

to a Re-submitted status for the review team's reassessment.

Case 3: "Licence Request refused". Your request has been refused by the BADA Board.

Your BADA use may not meet the BADA intended use cases and we are obliged to refuse it. We may also need to refuse requests should you not have the required authority to submit a licence request in the name of your organisation.

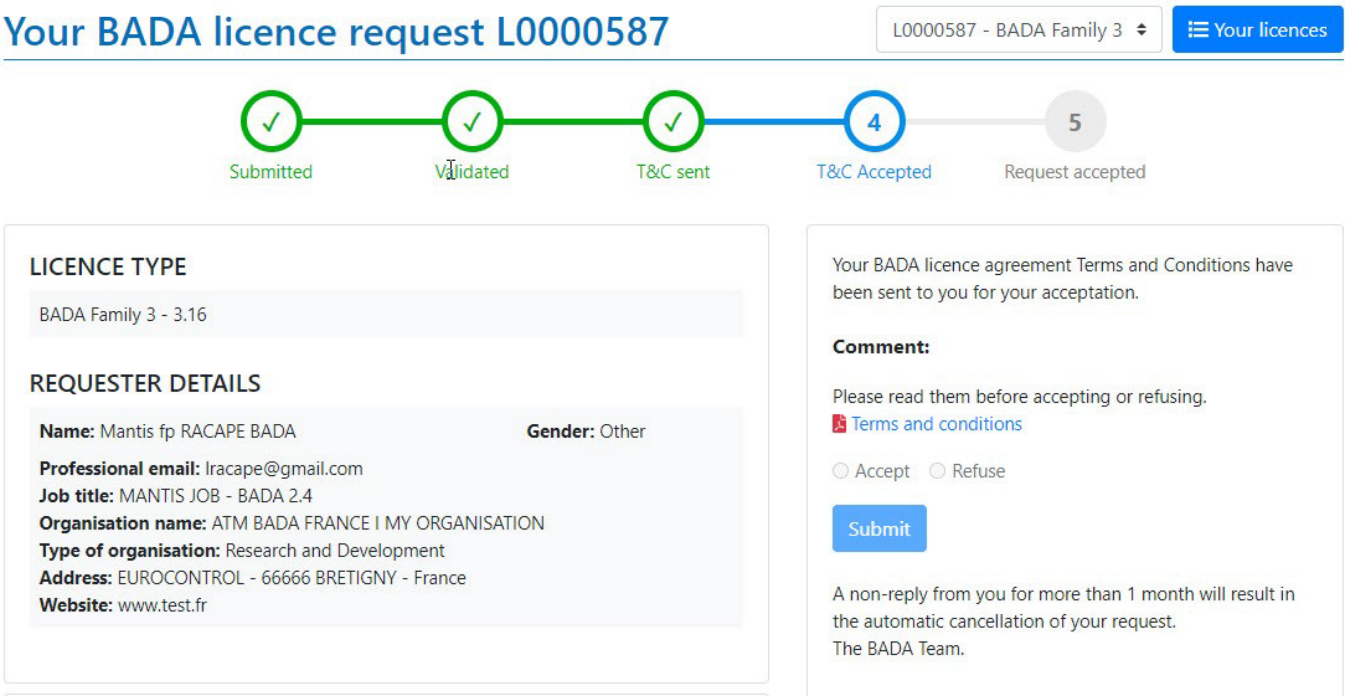
Step 2bis: Validation.

Step 3: *"T&C sent"* - A 'draft' licence agreement has been sent to you.

You have been sent a 'draft' BADA user agreement for your online acceptation (or refusal). You will be notified of this by email.

Step 4: *"T&C accepted"*- You have accepted the licence agreement terms and conditions.

You have read and accepted the agreement terms & conditions. The BADA team will prepare and send you the final agreement.

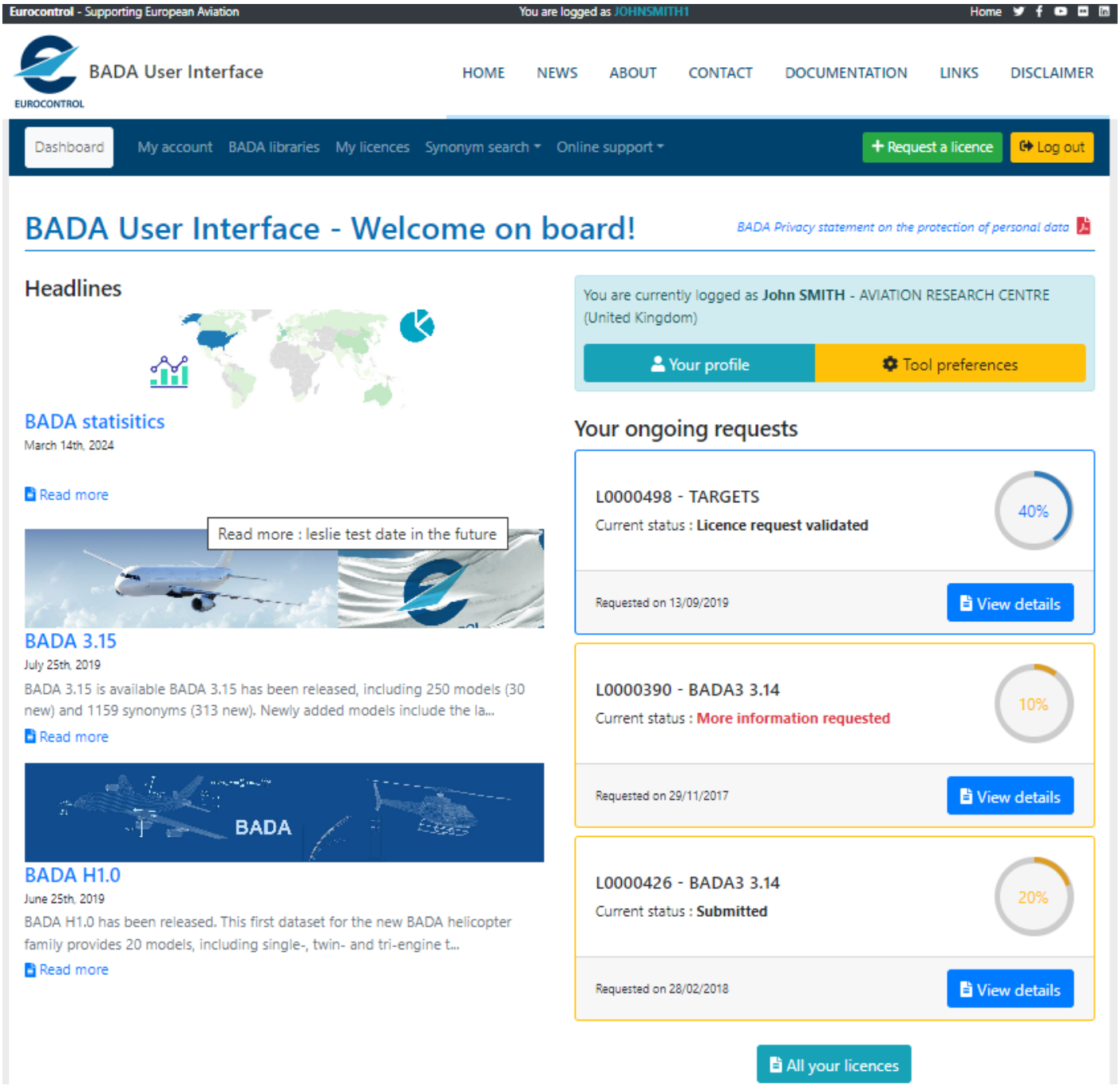


Step 5: *"Licence Request Approved".*

Your request has received our final approval. You are now a registered BADA user. You will be instructed by email on how to access the BADA data or for other licence types ('tools'), we have informed the tool provider of our approval.

BADA User Interface – 'Dashboard'

Under the Dashboard on the BADA User Interface, you will find a summary of your current on-going and approved licence requests.

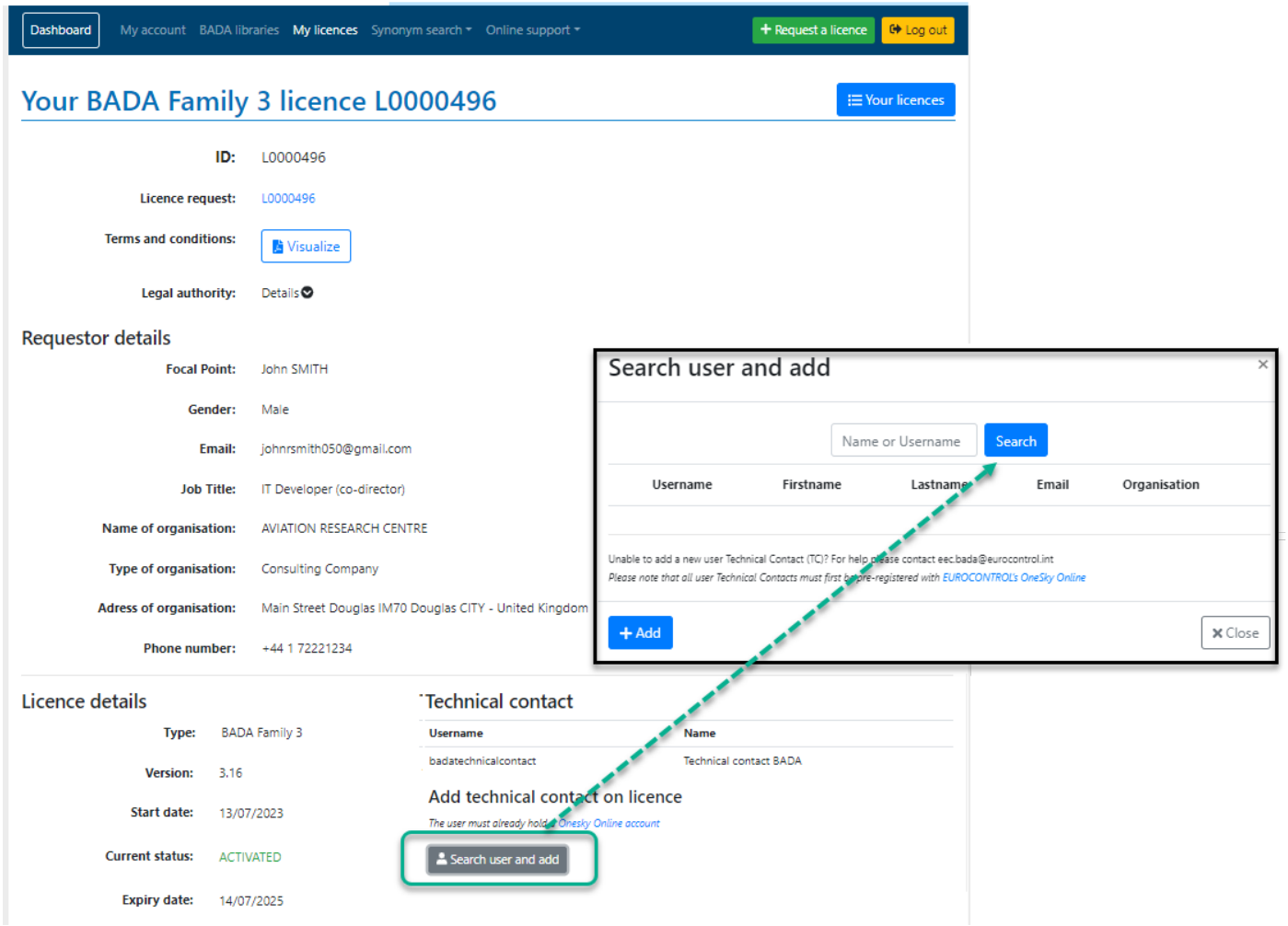


What happens when my licence is about to expire?

Licenced users will receive a reminder email *1 month* before the official expiry date of their licence. This email invites users to extend their licence validity. If the licence is not prolonged, it will automatically expire.

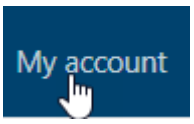
Add "Technical Contacts"

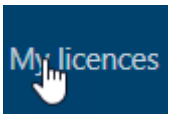
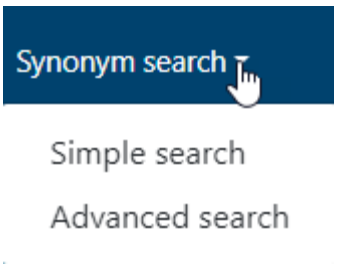
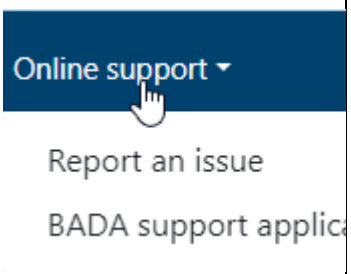
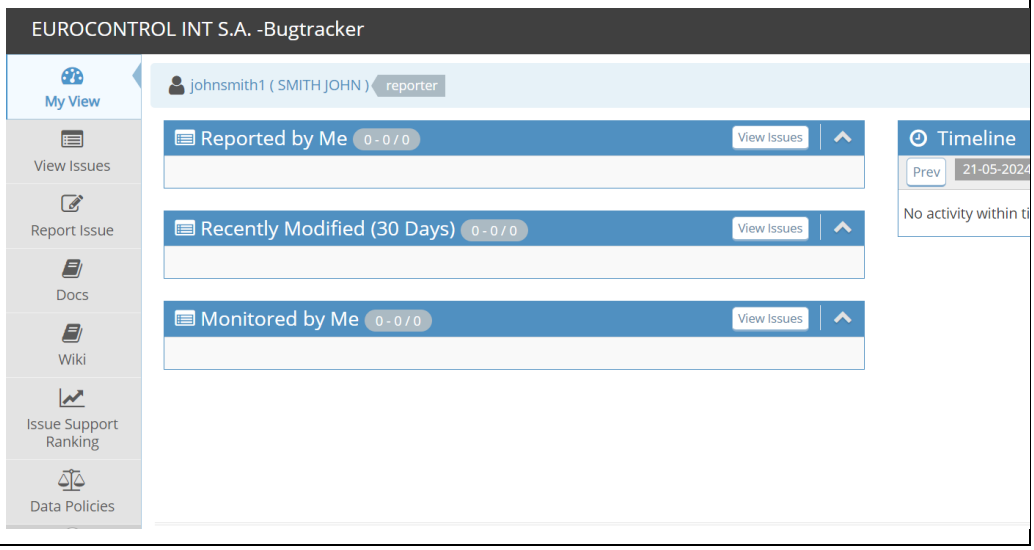
BADA Focal Points (appointed licence holders) may provide further BADA access to their team members for the needs of the granted BADA intended use only. These associated access accounts are referred to as BADA "Technical Contacts". These additional account holders should create a OneSky online access account and should share the same email domain name as the BADA Focal Point (e.g. @eurocontrol.int). BADA Focal Points are responsible for informing Technical Contacts of the BADA licence obligations (terms and conditions).



Other features

Here below are some other options available from the BADA User Interface

	- Allows you to view your personal profile details. To modify these details, you need to log on to your OneSky online account
	- Here you will find the data files to which you have been given access

	- To view any ongoing and approved licences
	- To view the performance characteristics of the BADA models - To find an equivalent BADA model match for a non-modelled aircraft.
	- To report and issue concerning a BADA release - To access the BADA Support Application (bug tracking) 

Need to contact us?

For any queries relating to your ongoing licence request, please use the dedicated ‘discussion’ associated with your request via the BADA User Interface.

For any other questions: *eih.bada.bal@eurocontrol.int*

SUPPORTING
EUROPEAN
AVIATION

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