ESSP
EUROPEAN SATELLITE SERVICES PROVIDER

Iris

Iris Service Implementation Roadmap

Issue 03-00

DOCUMENT CHANGE RECORD

Revision	Date	Summary of changes
1.0	20/12/2023	First release of the document
2.0	20/06/2025	Update of the Iris Service Roadmap milestones in Section 3.2 • Figure 3-1 updated from Q1 2024 to Q4 2026. • System evolutions, organizational evolutions, user interfaces and service declaration have been updated accordingly to the figure.
3.0	11/02/2026	Update of the Iris Service Roadmap milestones in Section 3.2 • Figure 3-1 updated from Q1 2025 to Q4 2027. • System evolutions, organizational evolutions, user interfaces and service declaration have been updated accordingly to the figure.

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1 INTRODUCTION

1.1 Purpose of the Document

This document aims at providing an overview of the foreseen evolutions of the Iris Service since the ESSP was granted by EASA with an ATM/ANS Service Provider Organisation Approval (AOA) certification for the provision of Iris Service.

Given the nature of the information contained in this document, the Iris Service Evolution Roadmap is a living document which needs to evolve in time considering:

- Changes and evolutions implemented as part of the overall system evolutions
- The progressive updates on the corresponding deployment schedules
- Continuous service improvement and compliance oversight

The areas of information provided in the Iris Service Evolution Roadmap is outlined hereinafter. It is worth to remark that this document is also subject to revision so as to be adapted and evolved according to the needs raised over time. Therefore, there could be unexpected triggers coming from users or internally which could derive in an extraordinary publication.

2 IRIS SERVICE

2.1 Iris Service Scope

Iris Service is an Aeronautical Mobile Satellite (Route) Service (AMS(R)S) based on ATN/OSI standards and supporting ATS data communication.

Iris Service is provided by the European Satellite Services Provider (ESSP) as the Iris Service Provider (ISP) and is accessible through an Iris Service Contract (ISCO) between the corresponding Organization (i.e. ANSP) and the Iris Service Provider (i.e. ESSP).

The service specifications and the terms and the conditions of use of the Iris Service are provided in the Iris Service Definition Document (Iris SDD).

2.2 Iris Service related documents and interfaces available for users

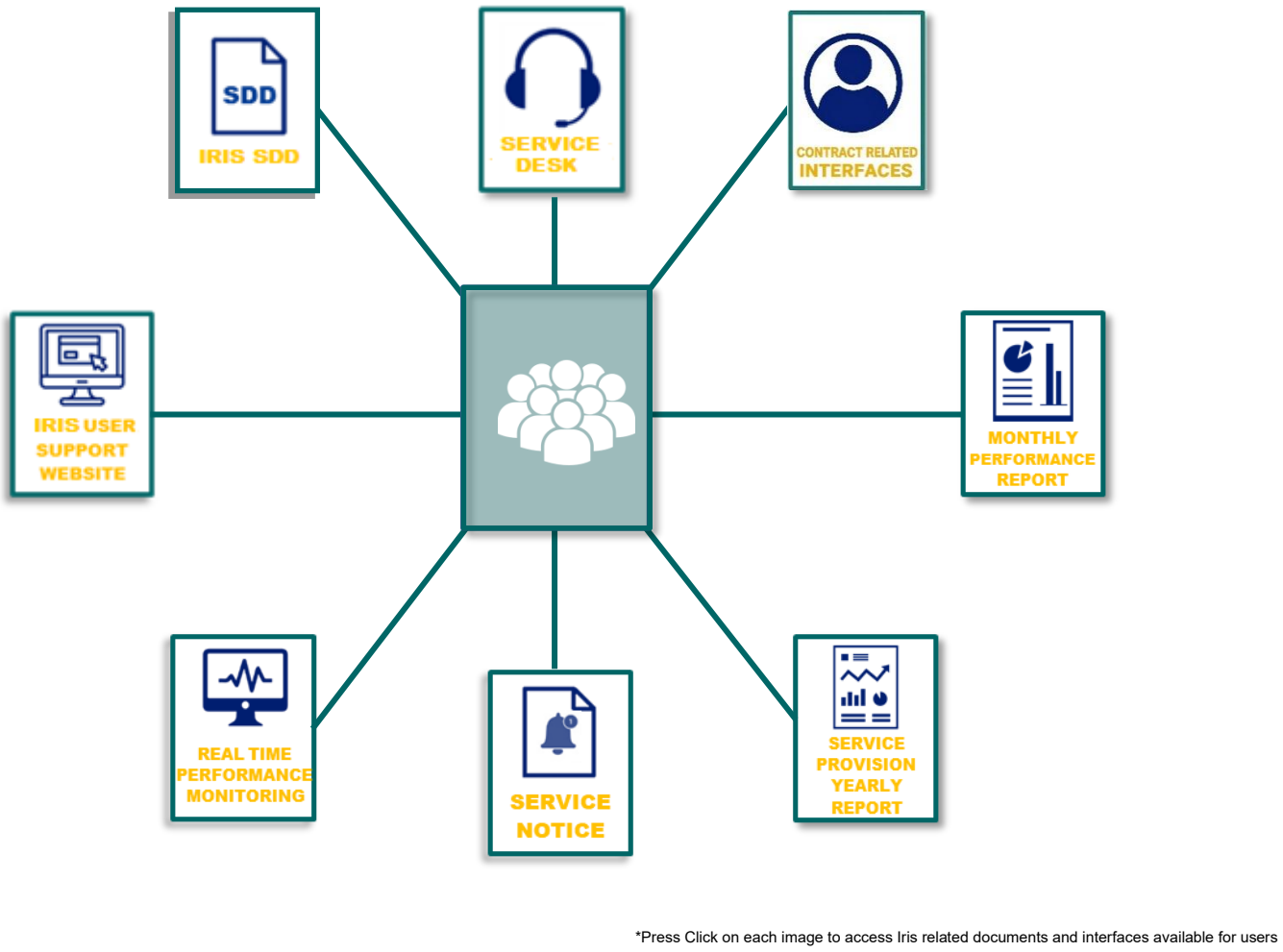

Figure 2-1: Related documents and interfaces available for users

3 IRIS SERVICE IMPLEMENTATION ROADMAP

3.1 Definitions

The Iris Service implementation roadmap detailed in section 3.2 is described mainly focusing on 4 different areas: System Evolutions, Organizational Evolutions, Service Declarations and User Interfaces. The definition of each of these areas is provided hereafter for the sake of an appropriated interpretation of the contents by the reader.

Area	Information
System Evolutions	Foreseen evolutions of Iris System which have impact on the service.
Organizational Evolutions	Foreseen evolutions of the ISP organization, e.g.: • ISP certification • ISP readiness for the commercial service provision
Service Declarations	Planned milestones related to, e.g.: • Pre-Commercial Flights • Commercial readiness • Declaration/decommissioning/evolutions of Iris Service Levels
User Interfaces	Foreseen evolution of the interfaces towards users, e.g.: • User Support Website • Service desk • Publication of new versions of the SDD • Users Satisfaction Surveys

Table 3-1 Areas of information

3.2 Iris Service Implementation Roadmap

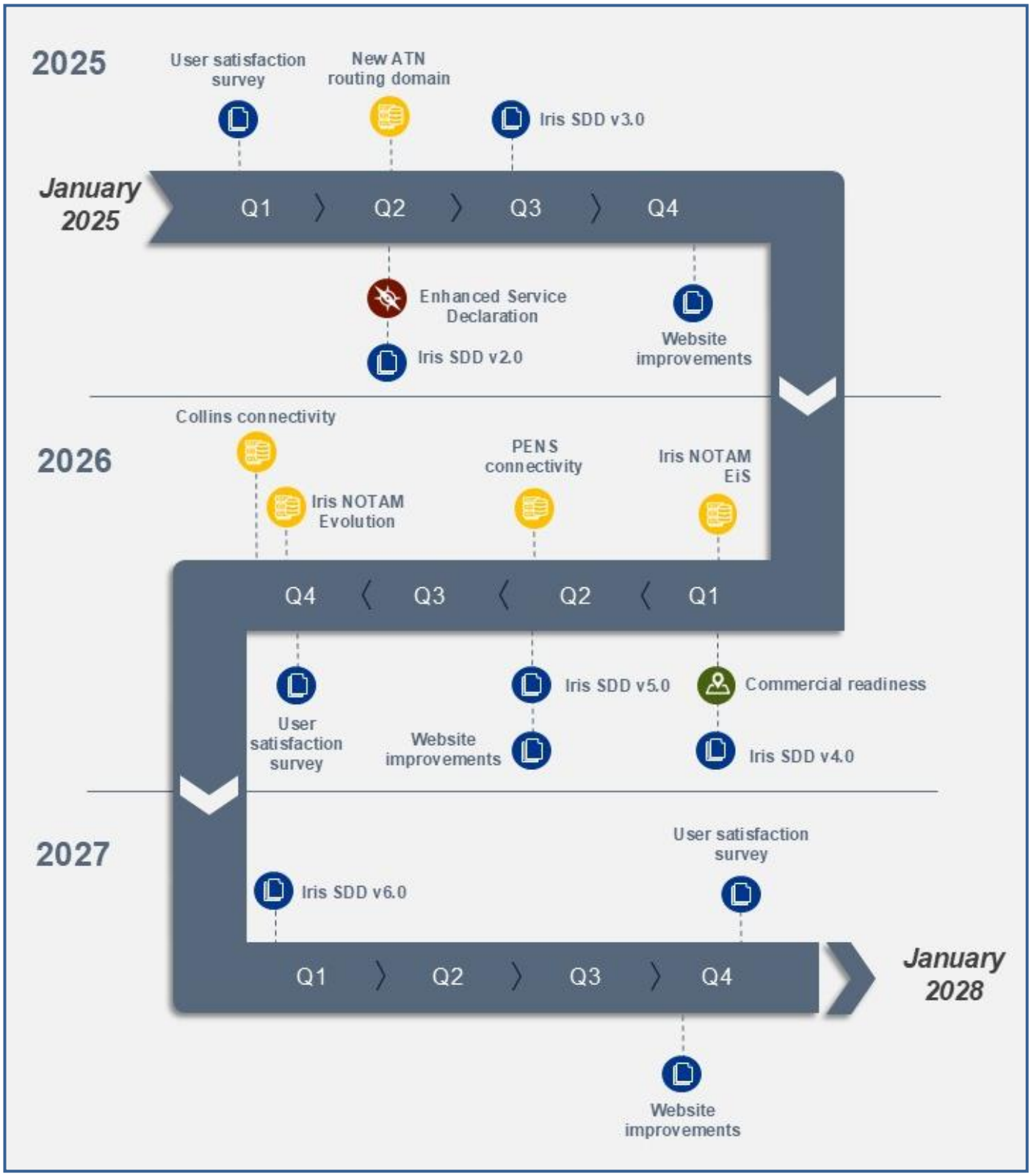

Figure 3-1: Iris Service Implementation Roadmap

SYSTEM EVOLUTIONS:

Target Date: **Q2 2025** Deployment of a new ground-ground routing domain in SITA's existing ATN backbone. This new routing domain is aimed at segregating the traffic of the ANSPs using Iris.

Target Date: **Q1 2026** Deployment of the Iris NOTAM tool (v2.3). This tool generates and distributes Iris NOTAM proposals with ICAO NOTAM format.

Target Date: **Q2 2026** Readiness of PENS connectivity.

Target Date: **Q4 2026** Iris NOTAM evolution.

Target Date: **Q4 2026** Readiness of Collins connectivity.

ORGANIZATIONAL EVOLUTIONS:

Target Date: **Q1 2026** ISP Commercial Readiness. After the finalisation of the initial service provision phase, the ISP will be ready for the Iris commercial phase, which is planned to start in January 2026.

SERVICE DECLARATION:

Target Date: **Q2 2025** Enhanced Service Declaration. This milestone declares the entry into operation of service evolutions aimed at improving the conformity with the applicable regulatory baseline. It led to the end of the Pre-Commercial Flights and the entry into operations of the Iris GGR.

USER INTERFACES:

Target Date: **Q2 2025** New Iris SDD v2.0 with the following changes:

- Segregation of the traffic of the ANSPs using Iris with the deployment of a new ground-ground routing domain in SITA's existing ATN backbone;
- Accommodation of the new published regulations repealing the Regulation (EC) 552/2004 and the Regulation (EC) 29/2009 and amending the Regulation (EU) 2017/373.

Target Date: **Q3 2025** New Iris SDD v3.0. Update of the SDD with new commitments targeting values closer to the ones defined in the standards.

Target Date: **Q1 2026**

New Iris SDD v4.0 aimed at improving the conformity with the applicable regulatory baseline (e.g. new commitments targeting the requirements defined in the standards) and the provision of Iris NOTAM proposals. This SDD corresponds with the start of the commercial phase.

Target Date: **Q2 2026**

New Iris SDD v5.0 aimed at reflecting the readiness of PENS connectivity for the Iris service.

Target Date: **Q1 2027**

New Iris SDD v6.0 aimed at reflecting the readiness of Collins connectivity for the Iris service and the commitment improvements.

Target Dates: **Q4 2025, Q2 2026 and Q4 2027**

User Support Website Improvements with additional contents and potential new functionalities.

Target Dates: **Q1 2025, Q4 2026 and Q4 2027**

Users Satisfaction Surveys, which is opened for users to provide feedback for annual periods.

3.3 Medium term Service Evolutions/System Deployments

In line with the system and service evolutions previously introduced, other improvements beyond the time period covered by this Iris Service Roadmap may be also identified. Currently, no further improvements have been noticed.

APPENDIX A LIST OF ACRONYMS

The following table provides the definition of the acronyms used in this document.

Acronym	Definition
ADS-C	Automatic Dependent Surveillance (Contract)
AMSRS	Aeronautical Mobile Satellite (Route) Services
ANSP	Air Navigation Service Provider
AOA	ATM/ANS Service Provider Organisation Approval
ATC	Air Traffic Control
ATM	Air Traffic Management
ATN	Aeronautical Telecommunications Network
ATS	Air Traffic Services
CPDLC	Controller-to-Pilot Data Link Communication
EASA	European Union Aviation Safety Agency
EC	European Commission
ESSP	European Satellite Services Provider
EU	European Union
ICAO	International Civil Aviation Organization
ISCO	Iris Service Contract
ISP	Iris Service Provider
NOTAM	Notice To Airmen
PCF	Pre-Commercial Flights
Q	Quarter year
SATCOM	Satellite Communications
SDD	Service Definition Document

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