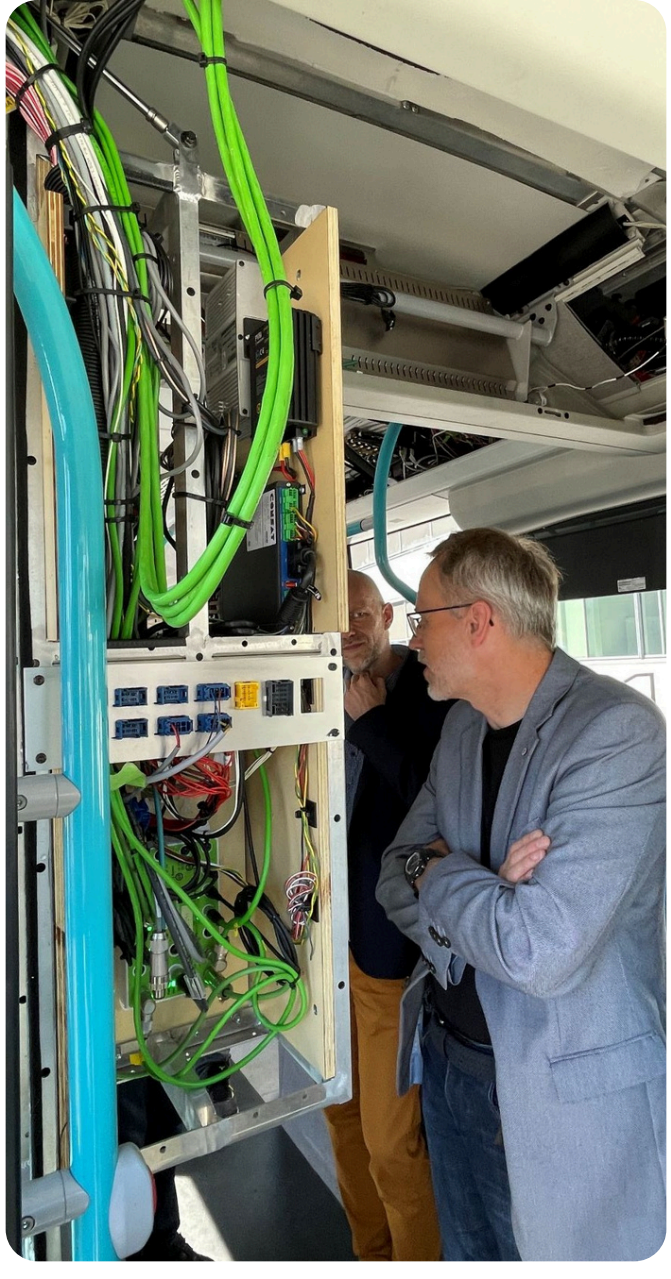


ACTIVITY REPORT 2025

ITXPT
INFORMATION TECHNOLOGY
for PUBLIC TRANSPORT

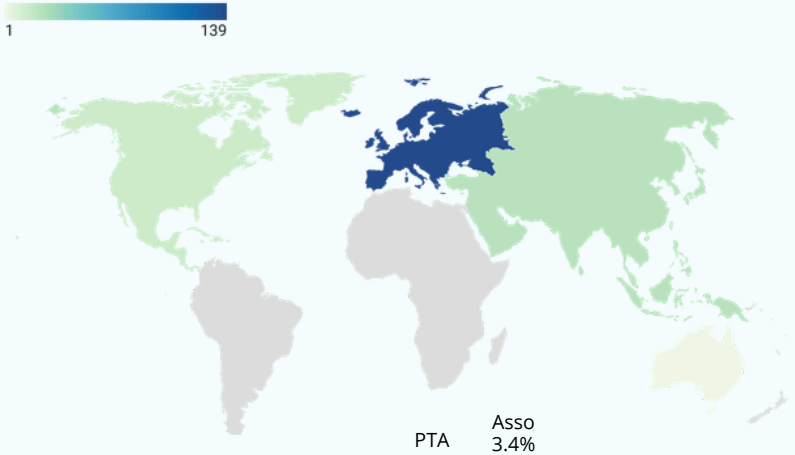
Standard-based Mobility IT

The non-profit association ITxPT enables an open architecture, data accessibility, and interoperability between IT systems. The members of ITxPT develop the IT architecture for public transport and other mobility services together, based on standards and best practices. The specification is publicly available on the ITxPT website.

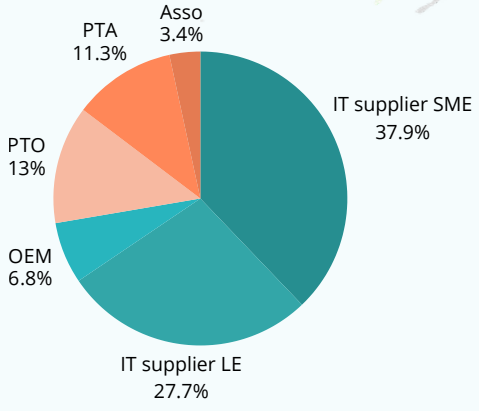
2025 in numbers

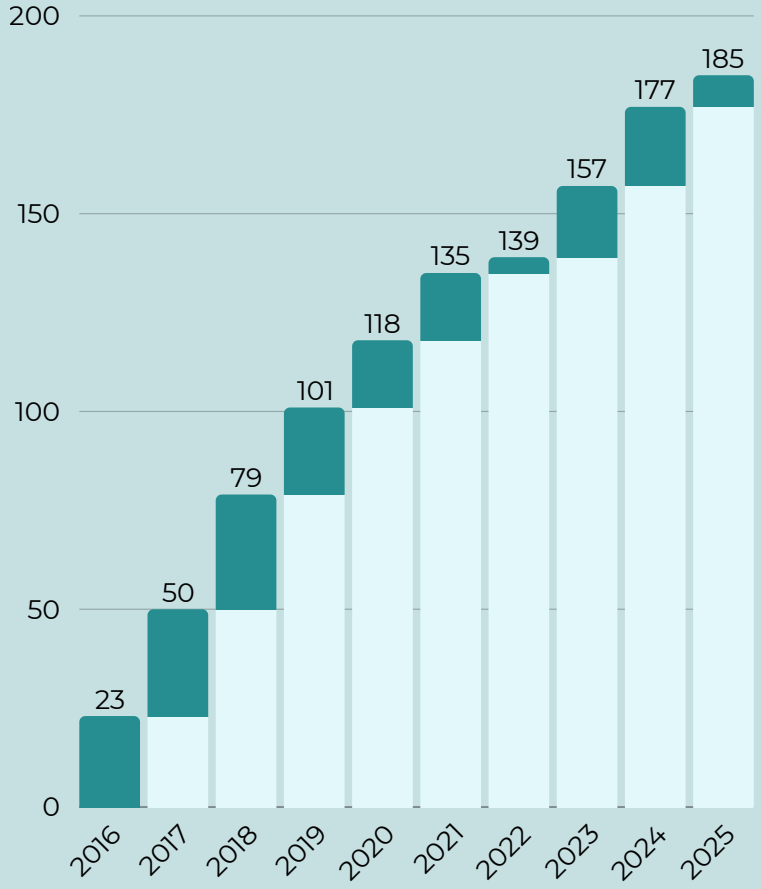
Members from the whole world

In 2025, ITxPT counted **177** members and partner associations from **28** countries. With that, ITxPT is an essential factor in Mobility IT standardization, working to facilitate standardized data and develop innovative open IT solutions.



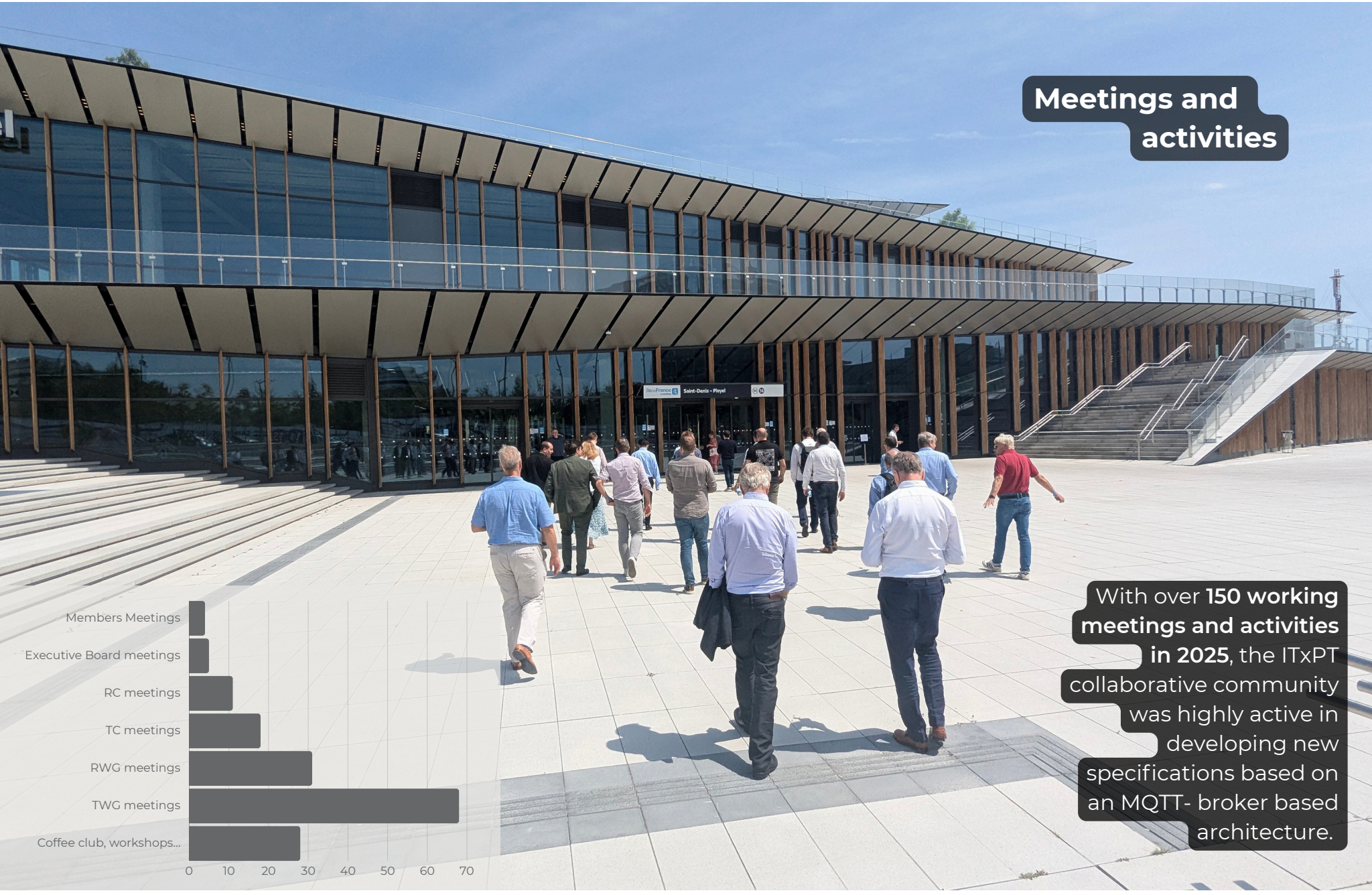
A quarter of the ITxPT members consist of Public Transport **Authorities**, **Operators**, and **Associations**.





Membership development over the years

Meetings and activities

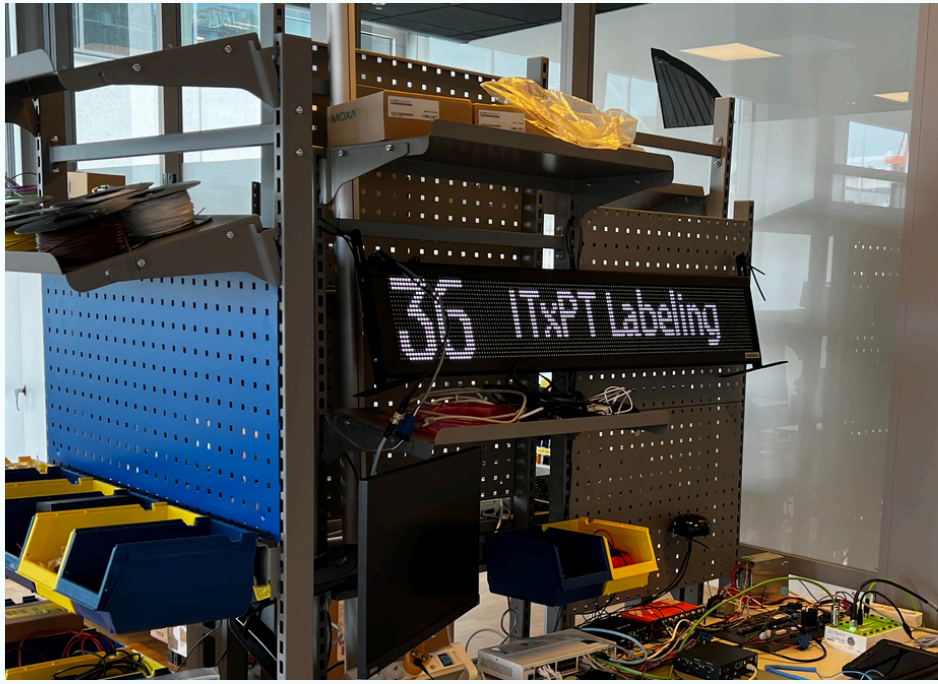


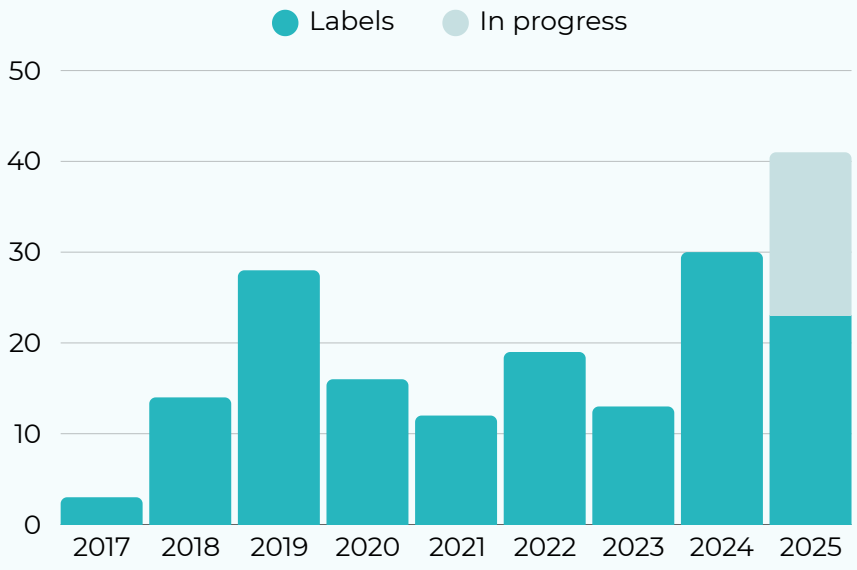
With over **150 working meetings and activities in 2025**, the ITxPT collaborative community was highly active in developing new specifications based on an MQTT- broker based architecture.

Label deliveries

The ITxPT label proves that a device has passed the ITxPT compliance tests in the ITxPT laboratory and meets specifications. This label simplifies the tender process for both buyers and sellers.

The granted labels are listed in the ITxPT online catalogue.





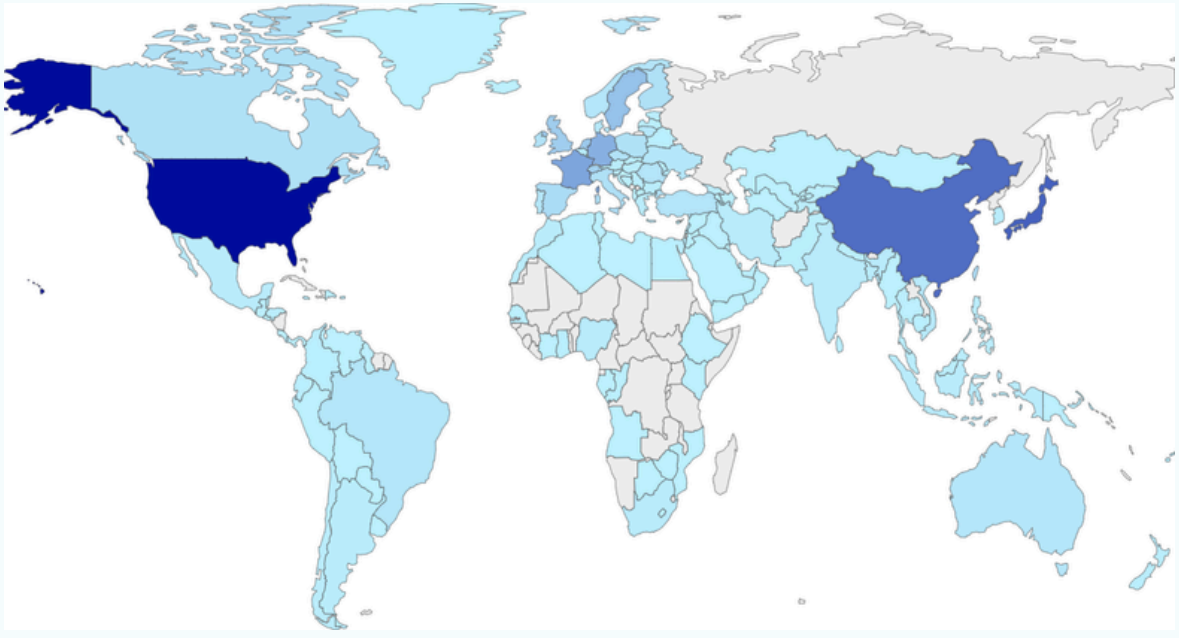
The label growth

Key information about labeling:

- **159 delivered labels** since ITxPT creation
- **Average duration for a label:** 204 days

The ITxPT knowledge center: wiki.itxpt.org

Anyone can register an account in the ITxPT documentation center and find the **ITxPT technical specifications**, the detailed **labeling process**, and other information about the association. ITxPT members have access to complementary information depending on their level of membership.



#	Country	Ratio (%)
1	United States	19.7
2	Japan	12.3
3	China	11.3
4	France	6.4
5	Germany	5.4
6	Singapore	4.8
7	Sweden	4.0
8	Netherlands	3.2
9	United Kingdom	2.9
10	Switzerland	2.5

Wiki users are spread worldwide and include authorities, operators, vehicle manufacturers, IT suppliers, academics...

300 new registered users in 2025

9.2K active users in 2025

2min average session duration

2025 ITxPT highlights

1

A new Technical Specification supporting broker-based architecture was drafted and released as a preview for ITxPT members. The key innovation is the branch in technology, and this is described in a new series of specifications known as S04, and the technology is based on MQTT broker principles. When trials and the feedback have been completed and incorporated, the new Technical Specification will be publicly released as part of the forthcoming Chestnut package.

Tender Guidelines and ITxPT Specifications Executive Summary were published. In 2025, one of the main priorities was supporting ITxPT members in understanding how to apply ITxPT specifications. To provide tools to help in the procurement of solutions and to help senior management understand ITxPT. This effort led to the creation of Tender Guidelines and an Executive Summary of the specifications. These initiatives will continue to inspire activities throughout 2026.

2

3

Vehicle Location, Journey Monitoring, Navigation Support, Electric Vehicle Data, and Signal Traffic Light Priority functional requirements have been established.

Global Awareness and Engagement was raised. Awareness sessions were organized to reach stakeholders beyond Europe, generating significant interest from the USA, Canada, and South America. These sessions, including “listening sessions,” aimed to enhance understanding of ITxPT specifications and community among Public Transport Authorities (Agencies) and Operators.

4

A word from the **Secretary General**

ANDERS SELLING
ITxPT Secretary General

2025 A year of steady development, continued collaboration, and growing real-world implementations

As ITxPT matures, we see increasing adoption across the public transport ecosystem and a steady rise in engagement from public transport authorities (PTAs), operators (PTOs), and suppliers. The growing number of inquiries and support requests demonstrates both the relevance of the ITxPT architecture and the industry's commitment to achieving interoperable and future-proof digital systems. At the heart of our association remains the continuous evolution of the ITxPT specification. In 2025, we released a preview of the S04 Broker-Based Architecture specification, enabling more flexible, data-centric system design. At the same time, the service-oriented architecture advanced with the Linden release, delivering key updates and refinements based on real-world implementation and member feedback.

Supporting implementation remained a key priority throughout the year, particularly for authorities and operators. Implementing ITxPT — whether in procurement processes or system integration — requires specialised knowledge that goes beyond traditional transport IT practices. ITxPT benefits greatly from the collaboration within our community, where early adopters among PTAs and PTOs share their experiences and lessons learned.
ITxPT continues to grow as a recognized partner in the mobility ecosystem, attracting increasing interest from stakeholders worldwide. Engagement continues to rise through our website, technical resources, and expanding labeling activity, while new members join from regions such as Asia and the Americas. At the same time, our partnerships with industry associations and research initiatives have strengthened, and recognition from authorities and European institutions continues to expand.

While the ITxPT core team remains intentionally lean, our ability to deliver meaningful progress is powered by the active contribution of our members. During 2025, we further strengthened our technical capabilities, expanding expertise in specification development and enhancing our support to members through the ITxPT laboratory and testing services.
Looking ahead to 2026, our ambition is to build on this solid foundation. As ITxPT implementations continue to increase, we will further develop the ways to collaborate with our members and support the growing community. ITxPT will continue to play a key role in enabling data interoperability and open architectures for the next generation of mobility systems.

ITxPT - a strategic choice

In a world with continually accelerating IT evolution, it is beneficial to become a strategic or principal member of ITxPT and join the world-leading mobility actors in developing the future of Mobility IT. In all areas of Mobility and smart city solutions, there is a need for sharing standardized data between systems and services, which the ITxPT specifications support.

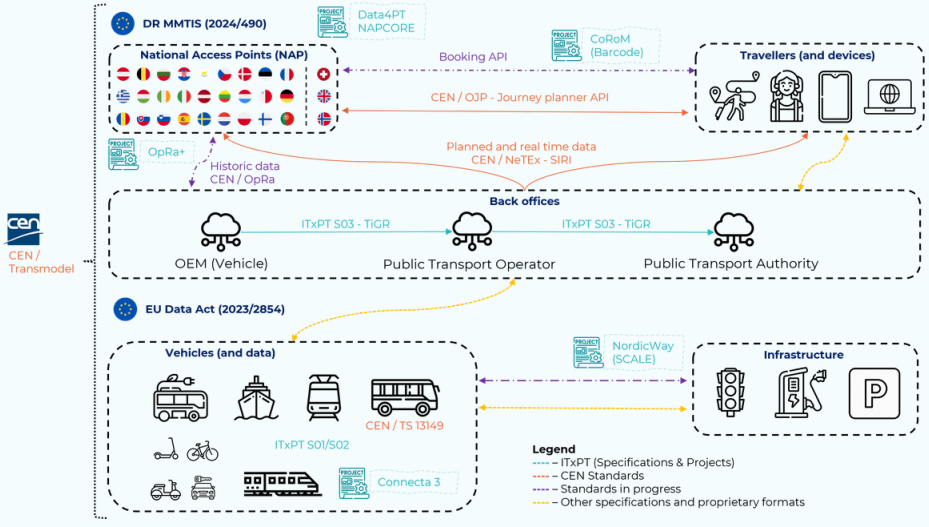
Access to data – a strategic necessity

Innovative PTAs have expressed that access to their data is critical to their operations and competitive advantage. **Interoperable systems with data in a standardized format enable direct access to all data** – something proprietary solutions do not provide.

Tenders - streamlined procurement

The ITxPT Specification reduces the time and costs of specifying IT systems during tenders. With the standard-based ITxPT specifications as basic requirements for a tender, **the buyer and the supplier can focus on specific services and requirements** without wasting time on specifying basic IT functionalities.

LANDSCAPE OF MULTIMODAL MOBILITY DATA INTERFACES



Strategic benefits of ITxPT

Improved efficiency:

Standardization facilitates **interoperability** between different systems and operators, reducing integration costs and enabling seamless data exchange.. Common data standards and interfaces eliminate the need for custom solutions, lowering development and maintenance expenses.

Enhanced customer experience:

Standardized systems and data formats enable **seamless travel experiences** across multiple modes of transport and different operators. Consistent information presentation and ticketing systems improve user-friendliness for passengers.

Facilitated innovation and competition:

Open standards promote competition by allowing **new players to enter the market** without being locked into proprietary systems. Interoperability encourages innovation by enabling the **integration of new technologies and services** with existing systems.

Increased sustainability and environmental benefits:

Standardized systems can optimize routes, schedules, and resource allocation, leading to **reduced emissions and energy consumption**. Improved travel experiences and accessibility may **encourage modal shifts towards public transport**, further reducing environmental impact.

Costs saving:

Investment versus long-term savings. Invest in an architecture that will make systems sustainable in the future and more efficient today.

Future opportunities and challenges:

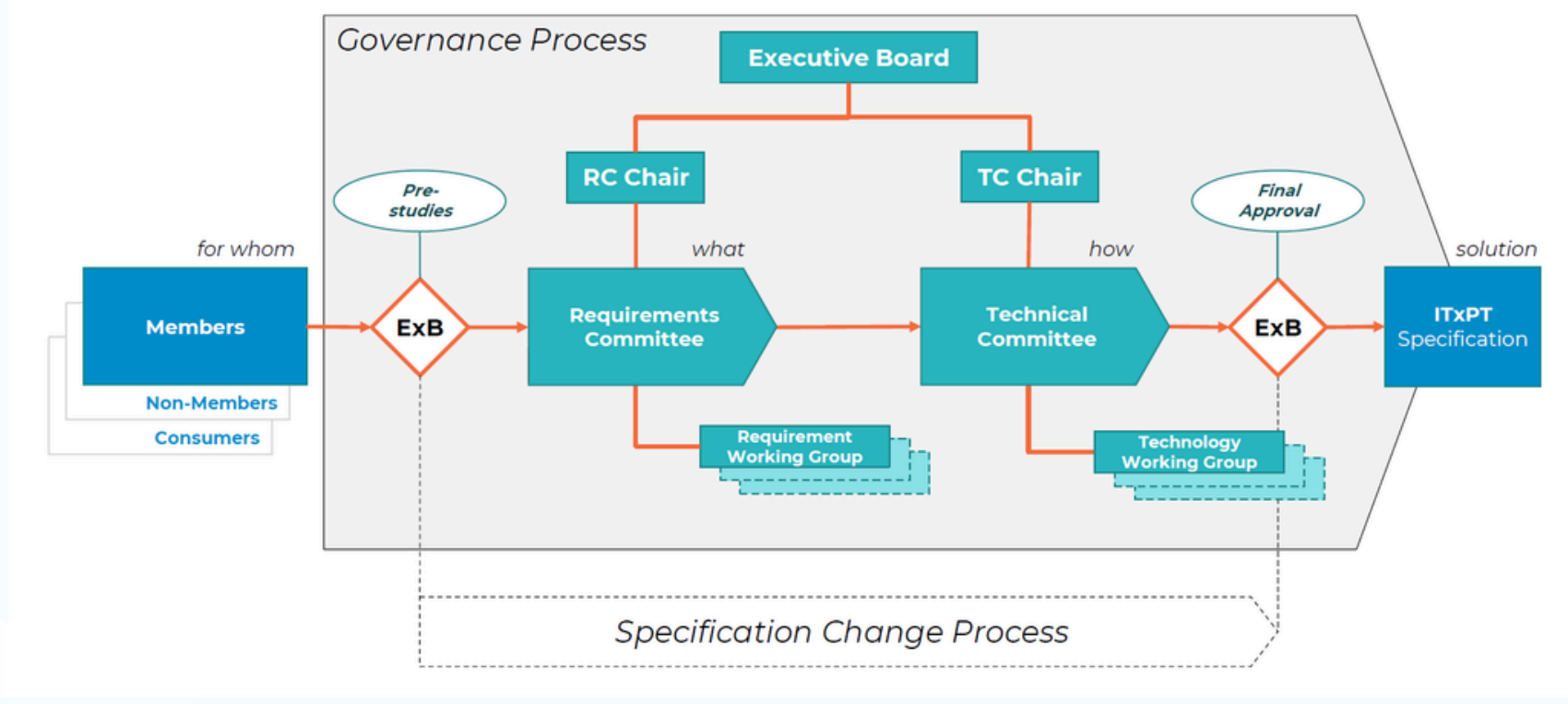
Address emerging trends (e.g., mobility-as-a-service, autonomous vehicles) and the importance of standardization in enabling **seamless integration and scalability**. Address potential challenges, such as change management, legacy system integration, and the need for **ongoing collaboration among stakeholders**.

Established standards-based approach:

Be based on Public Transport European standards (Transmodel ecosystem), means having a strong foundation for ITxPT to support end-to-end interoperability from vehicles to travelers. CEN standards are recognized as formal standards by the European Commission, making part of delegated regulations on mobility data. Stable governance process of CEN gives credibility and ensures sustainability of ITxPT specifications.

The ITxPT process

The ITxPT association uniquely provides a forum for **all public transport stakeholders** to address key topics such as interoperability, data-centric architecture, data mining, electric vehicles, IoT, MQTT, smart industry, MaaS, new transport modes, data exchange, and protocols.
Strategic and Principal members can participate in the **Requirements and Technical Committees**, along with their associated Working Groups. The governance of the ITxPT association by the ITxPT Executive Board is equitably balanced, with equal representation from Public Transport Authorities/Operators and the Industry.



The Collaborative Community

Collaboration between members is the heart of the ITxPT operation, with committees and working groups composed of members carrying out the work. The ITxPT Office supports and leads the processes extending beyond the members.

How do we work ?

We work in a straightforward and open collaboration. The small ITxPT team and the Executive Board support a community of members working together to develop new and existing ITxPT specifications. With continuous improvement and iteration of the specifications based on customer needs, the specifications created are always highly relevant.

Committees drive specification development

The ITxPT Collaborative Community drives the specification development through two committees.

- The Requirements Committee collects and defines customer needs.
- The Technical Committee turns the requirements into specifications.

Collaboration beyond ITxPT members

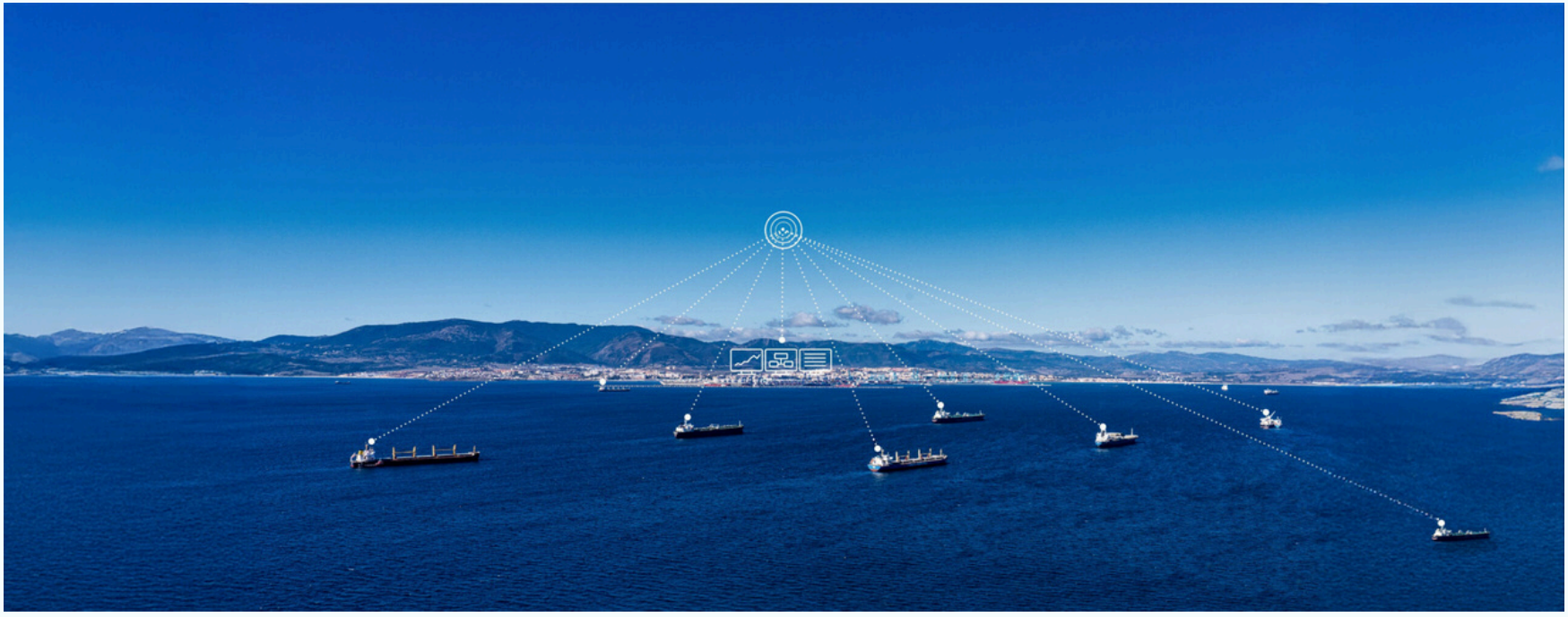
In previous years, ITxPT welcomed collaborations with other associations of transport companies like VDV and APTA, Mobility data (Google/GTFS) through the Data4PT project, EUSPA (Galileo/EGNSS), Smart Ticketing Alliance, and MaaS Alliance. In 2025, we set the ground to work together to deliver outputs for the benefit of the public transport stakeholders. In particular, a dedicated working group with VDV was established to align technical specifications. We strengthened collaboration with relevant **UITP** committees and units. As a founding member of the ITxPT association, UITP plays a key role in promoting public transport visions and goals in various ways. One of the major achievements in 2025 was joining forces to plan joint events and working streams, raising awareness about the complementary roles of the two organizations, and leveraging their combined expertise.

In addition, the ITxPT Secretary General participated in the **Calypso Users' Days** held in Venice, reaffirming the shared vision and commitment of both organizations toward interoperability in the public transport sector. ITxPT also contributed to the organization of the Busworld Europe Congress. Busworld Europe 2025, held in Brussels from October 4–9, was a global event for the bus and coach industry, bringing together stakeholders from around the world.

Moreover, as a member of the advisory board of the **deployEMDS project**, ITxPT contributed to the annual project event by sharing expertise on interoperable IT architecture and demonstrating how the Mobility Data Space concept can be linked with standardized interfaces such as ITxPT specifications.

ITxPT inspires ITxMaritime

Moreover, besides the continuation of existing partnerships, new collaborations arose during 2025 beyond the public transport domain. The recognition of ITxPT philosophy and its added value was the inspiration for the Maritime stakeholders to reach out to learn more about our success story. As a result, ongoing work is being done to bring solutions to the maritime sector facing similar hurdles (e.g. lack of interoperability, vendor lock-in, data access, etc.).



In **2025**, we established the first use case that ITxMaritime will address (energy efficiency) that will serve as proof-of-concept for the development of the upcoming sets of specifications.

Members' meetings

MEMBER OF ITXPT

Every year, four Members' Meetings take place—three held remotely and one in person. This year, the in-person meeting was an intensive full-day event held in June 2025 in Paris. The agenda included a General Assembly and a Members' Meeting, followed by technical visits to the Keolis control center and the brand-new St Denis Pleyel metro station. Participants also had the privilege of hearing from keynote speakers, including a Data Act advisor who presented key elements of data-related legislation, as well as representatives from SNCF who analyzed ITS interoperability from a rolling-stock perspective.
In addition, the event featured interactive workshops where Members shared valuable field feedback, highlighting current implementation areas, existing challenges, and their expectations of the ITxPT association. These fruitful discussions helped shape the activities incorporated into the ITxPT roadmap for the second semester of 2025.




On the 11th of June, ITxPT held the in-person Members Meeting in Paris. The 65 participants had the opportunity to network and enjoy the city in connection with the comprehensive meeting agenda.

Key achievements of 2025, inspired by the in person Members' Meeting workshop, include the creation of the Tenders Guidelines and the Executive Summary of the ITxPT Specifications; the pre-study on interface supporting drivers and other operational staff; the introduction of Ticketing Validation Count in next specifications release; and improvements to the specification documentation, including links to the corresponding use cases and functional requirements.
Besides in person meeting, three remote members'

Focus on supporting Public Transport Authorities and Operators

Public transport has never faced greater pressure, with increasing legislative demands, reduced public funding, and rising public expectations for what constitutes a "good" transport service. While the ITxPT scope is primarily technology-focused, we believe that investments in public transport technology should directly benefit the traveler—and that these investments should outlast the vehicles or projects in which they were first deployed. To support this, we help Public Transport Authorities and Operators implement technology based on open specifications, ensuring that the choice of IT systems is not constrained by a single vendor. Equally, when technology reaches end-of-life, systems can be replaced at a modular level, allowing new developments to be introduced without disrupting the entire ecosystem.

We do this in a couple of ways. First, we help by publishing our specifications that encourage open systems and interoperability, but we also provide a community to enable Public Transport Authorities and Operators to meet and work with colleagues on both the specifications themselves and in a constructive environment with peers and colleagues to discuss key issues and share best practice.

"Listening session" of public transport agencies in North America

On October 15, 2025, we organized a dedicated online session with representatives from public transport authorities and operators in Canada and the U.S.A. The objective was to explore the feasibility of ITxPT applications in North American Public Transport systems, gain a better understanding of the dynamics of the public transport market in North America, and identify stakeholders' expectations from ITxPT .

During the session, the participants shared field experiences, describing the current landscape regarding awareness, understanding, and implementation of ITxPT specifications. They also proposed ideas to improve the situation, such as providing support for tender development, raising awareness, offering training opportunities to suppliers and manufacturers to ensure they can efficiently respond to tenders requiring ITxPT compliance, deepening the alignment between ITxPT specifications and the de facto standards GTFS.

Coffee clubs

We know that finding times in diaries for on-line meetings is a huge challenge and with many members working in virtual environments with multiple diary constraints, the challenge becomes even stronger. Yet we can nearly always find time for a quick break over a drink. This is where the concept of the Coffee Club was born. Twenty to twenty five minutes on a specific topic with no presentation, no huge agenda and just a single topic. The idea proved very successful and we have run many sessions under the heading of "Saving money with ITxPT".

- **Implementation Alternatives:** A session where our members discussed some of the alternatives in use and out ITxPT specifications that still apply, considering the numerous implementation scenarios that now exist, from vehicle resident systems through to cloud-resident applications.
- **Industry Update:** A dedicated session for our industry members (consultants and suppliers), structured into three parts:
  - Quick roadmap recap: Overview of Linden, Chestnut, and the current product versions.
  - Labels and labelling: Presentation of key statistics and figures (including backlog, where relevant).
  - "You Said, We Did": A review of feedback received from PTAs and PTOs and the actions we have taken in response, followed by an invitation for further member input.
- **Tenders' guidelines:** For Principal and Strategic members, we launched a practical guide on how to prepare ITxPT compliant tenders. This session introduced the document and opened discussions on its content and best practices.
- **Signal Traffic Light Priority:** A session dedicated to this important topic, where the pre-study was presented and discussed with interested members. Following this session, the Requirements Committee working group on Signal Traffic Light Priority (RWG08) was launched in 2025.
- **Cyber Security:** A focused session addressing this increasingly important topic.

Bilateral meetings

Communication is a difficult thing to get right and there is no single model that works for all and we are always interested in discussing our mission and the goals of our members and checking if we are mutually aligned and how we can help our members achieve success. For all new or potential authority members, we offer an hour's introduction.

Working together with members on expos

Busworld Europe 2025 Congress

The Busworld Europe event, held in Brussels in October 2025, placed a strong spotlight on Digital Mobility Solutions and featured valuable discussions on the evolving landscape of bus and coach mobility. ITxPT was part of the conference's organizing committee, contributing to the development and delivery of sessions dedicated to the data landscape and the key opportunities and challenges shaping the sector. ITxPT played an active role in several engaging sessions focusing on data-related EU regulations—such as the Data Act—and their impact on the public transport industry, the deployment of digital assets, the optimization of fleet management systems, as well as software-driven smart energy management and charging strategies.

World Congress on Railway Research (WCRR)

The World Congress on Railway Research (WCRR) is the world's largest international congress on railway research dedicated to innovation in the railway sector. ITxPT participated to the 2025 edition held in Colorado Springs on November 19, 2025 by delivering a presentation within the framework of standardization activities carried out with IEC/TC9 concerning the development of new IEC standards for on-board multimedia and passenger information on rolling stock where ITxPT plays a key role in advancing technological innovation in public transport and more particularly in the heavy rail sector.

UITP Summit (Hambourg)

The UITP Global Public Transport Summit is the world's biggest event dedicated to sustainable mobility which brings together all transport modes, industry authorities and operators, as well as exhibitors. In 2025, ITxPT staff held presentations and visited the exhibiting ITxPT members to inform the visitors who wanted to know more about the activities of the ITxPT and the involvement of the members.

Requirements Committee achievements

Functional Requirements

Requirements Committee members worked collaboratively in dedicated workshops, leading to the delivery of use cases and functional requirements. In all those groups, all Strategic and Principal members are invited to share their expertise in relevant topics, representing all kinds of ITxPT stakeholders (vehicle manufacturers, public transport authorities, operators and IT suppliers) depending on the topic.

- **Electric Bus data**

Electric bus data was one of the topics launched in 2024 and completed in 2025. Aiming to update the specifications based on early feedback from electric fleet deployments and emerging operational needs, the Working Group delivered 40 functional requirements grouped into 20 use cases. These functional requirements cover both vehicle-generated and non-vehicle-generated data, which can also support more advanced vehicle functionalities. The group addressed use cases related to the charging process—both during operation and when vehicles are in the depot. They also focused on topics such as health monitoring and safety, maintenance, and operational optimization. The contributors included representatives from vehicle manufacturers, public authorities, operators, and IT suppliers.

- **Vehicle location**

Vehicle Location is another key topic that was initiated in 2024 and completed in 2025. The group examined use cases requiring high-resolution vehicle positioning, both when vehicles are in the depot and when they are operating. The work also covered multiple transport modes, including buses as well as heavy and light rail. Due to the wide range of use cases identified, the Working Group produced an extensive list of requirements that will support the update and expansion of the Vehicle Location feature set and Journey Monitoring. In addition, the use cases and their corresponding requirements led to the creation of a new topic for future specifications: the Navigation Support feature set.

- **Power Management**

The definition of functional requirements for Power Management topic was the third significant milestone of the year. The objective of this work was to enable the update of existing specifications to address the needs of power management for all transport modes and vehicle energy technologies. The power control and power monitoring of different groups of devices were some of the fields of discussion.

- **Signal Traffic Light Priority**

During the last quarter of 2025, the focus of the Requirements Committee was oriented towards the topic of Signal Traffic Light Priority. As result of a **pre-study** carried out in 2024, and of **coffee-club** discussion, a **working group** was created to define a list of use cases and requirements that deal with Signal Traffic Light Priority interfaces, considering the Public Transport perspective and the existing C-ITS specifications. The group delivered a list of 17 use cases and 35 requirements, describing data needed to support basic rules of a signal traffic light priority system, to manage the priority in more specific situations, to monitor priority system impact, to adjust with infrastructure and more. Next steps encompass the definition of technical specifications, fostering liaison with existing standardization initiatives in this field, and leverage input from the SCALE EU project.

Pre-study

ITxPT pre-studies investigate the need to define functional requirements and develop technical specifications for a specific topic. Requirements Committee members share insights regarding current situation, define a common vision for ITxPT roadmap and propose next steps.

- **Interface to support drivers and other staff for operational purposes**

Public transport drivers and other on-board staff typically rely on specialized Human-Machine Interfaces (HMIs) integrated into the vehicle cockpit or mounted as separate consoles. These interfaces support critical functions such as operational control, safety, communication, navigation, and maintenance. The feedback from the field is that still many different implementations exist based on proprietary solutions. Therefore, the ITxPT members, during 2025, carried out a pre-study focusing on establishing a common understanding about such interface, identifying the potential users, defining a common vision and clear scope for ITxPT requirements working groups (RWGs) for the 2026 roadmap.

Technical Committee achievements

Linden specification package

The ITxPT collaborative community released a new package of the Technical Specifications named Linden.

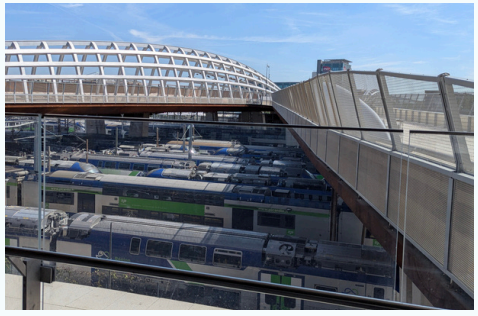
The collaboration between the members is the heart of ITxPT, and the most central result is the release of new specification versions, delivered in a named package.
The new Linden package focuses on updating the previous Sequoia package, covering service-oriented architecture (SoA). Available to ITxPT members since December 31, 2024, these specifications have been released to the public on April 1, 2025, through the ITxPT Documentation Centre upon free registration.

Four main activities created the most input to drive the update:

- The implementation of the previous package (Sequoia)
- The use of the specifications in tenders
- The collected change requests
- The labeling process

The Linden update consists of clarification and introduction of new functionalities that together enhance the readability and usability of the specifications:

- 3 major releases for S02P08-MADT, S03P00-Back-office restructuration and S03P01-TiGR
- 10 minor releases including clarification requirements, fix of issues and extension of the scope of application by introducing additional concepts for Heavy rail (S01-Installation), Journey Monitoring extension (S02P06-AVMS) and Occupancy (S02P07-APC)



Broker-based architecture

A key milestone has been achieved in 2025 with the publication of the preview version of the new S04 specification series to underpin all future Technical Specifications.

A preview version of a new specification series (S04) is available for ITxPT members, thanks to the sustained effort from the ITxPT community. This milestone introduces support for system architectures built around an MQTT broker – marking an important step in the evolution of interoperability specifications, enabling a data-centric approach.

The new series aims to support system designs where data exchange is streamlined through a central broker. This architecture enables greater flexibility, real-time communication, and reduced integration complexity – key advantages in managing modern fleets and digital services.

- Access the data sources and sync without writing your own protocols
- Easily access your data remotely from a single implementation

The S04-MQTT broker-based specifications preview was approved on 11 June 2025 by the Executive Board and has been available for review and testing for ITxPT members, who have been invited to provide feedback as we move toward a broader public release in 2026 as part of the Chestnut package. This collaborative phase is essential to ensure the specifications are aligned with operational needs and industry expectations.

The S04 specification series is structured in several parts describing the new Active Inventory concept and the feature sets which depend on it:

- S04P01 – Active Inventory Service Overview
- S04P02 – MQTT Overview
- S04P03 – Journey Monitoring
- S04P04 – Logon
- S04P05 – Passenger Counting
- S04P06 – Vehicle Location Overview
- S04P07 - Ticketing Overview

The ITxPT team has produced a reference implementation of the Active Inventory Service as part of the proof-of-concept procedure offered by the ITxPT laboratory for ensuring that all specifications are fully testable, and to assure the quality and usability of the specifications.

Passenger Information

The Passenger Information System (PIS) working group published a comprehensive Technical Pre-study late in 2025, accessible online to Strategic and Principal members

The conclusion of the pre-study was that the group should concentrate on the final stages of the complex chain which extends from ground-based systems to onboard systems, and work has been ongoing to isolate and define those areas where standardization can prove most useful in promoting interoperability, such as methods for devices to declare their capabilities and the use they are intended to serve in specific installations. The Technical Working Group is currently working on developing a way of introducing a standard way of defining layout and formatting information for devices which cannot interpret HTML on the one hand, and on defining a standard set of data binding mechanisms to identify datasets to be displayed and audio media to be played.

Implementation projects drive innovation

As a highly active collaborative community, we are leaders, key contributors, and participants in several projects on the EU and national level. We help to increase implementation of the ITxPT specifications and support standardization.

The added value of the projects on ITxPT community is high! The projects feed ITxPT roadmap, raising new functional areas, and new services that ITxPT can offer. Moreover, projects give credibility to our association, placing ITxPT as the single technical expert for multimodal public transport systems in the mobility ecosystem. The projects are funded by the EU and other external sources.

NAPCORE (National Access Point Coordination Organization for Europe)

Napcore coordinates European mobility data integration across 33 beneficiaries from 26 EU Member States and three associated partners. The organization's primary function is to coordinate and harmonise over 30 mobility data platforms throughout Europe known as National Access Points or NAPs. NAPCORE implements European mobility data standards and exchange protocols to ensure interoperability within the mobility ecosystem. The first phase of the NAPCORE project concluded on June 2025.

ITxPT worked during the first phase of NAPCORE on different topics:

- Leading the subworking group on European Standards for Public Transport, creating external liaisons with other European Mobility standards (road traffic, metadata, etc.) and internally, coordinating its development.
- Developing a data dictionary for the relevant data types of European multimodal delegated regulation
- Preparing a quality framework to assess the quality of the public transport datasets
- Developing the NeTEx to APDS mapping in the parking domain.

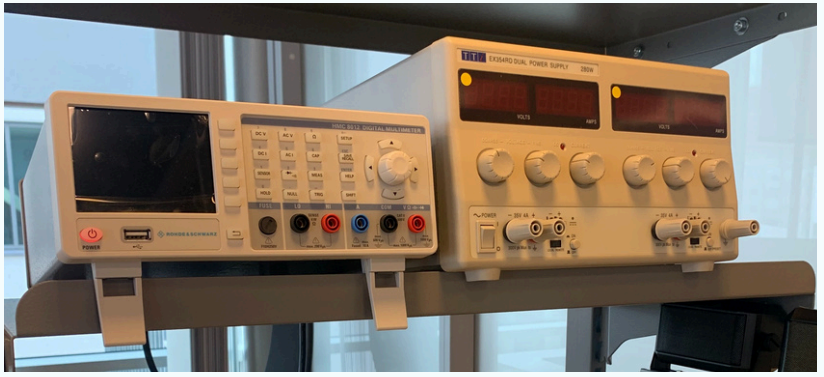
NAPCORE X

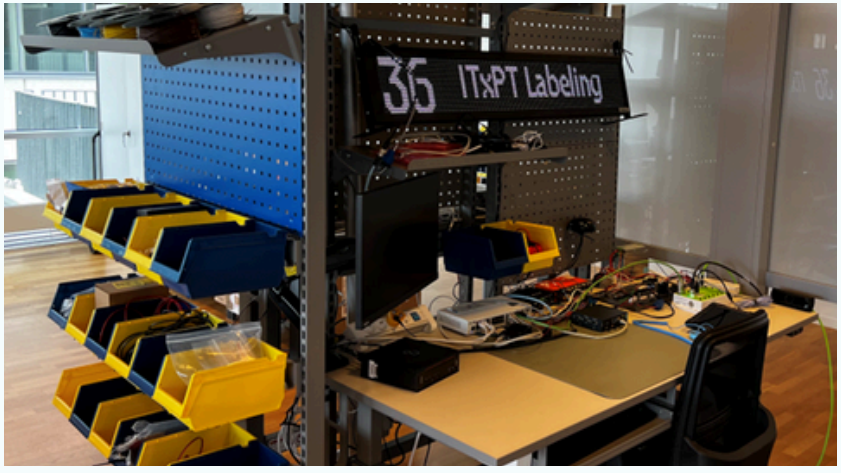
The second phase of NAPCORE (National Access Point Coordination Organisation for Europe) started on July 2025, and ITxPT continued its participation as an active member. We will provide guidance and expertise in the public transport and multimodal domain, continuing the development of data dictionary and quality framework and the development of tools relevant for public transport. ITxPT is involved in NAPCORE X as technical expert in subworking groups relevant to public transport and multimodality. We are also leading the “Passenger public transport theme”, which acts as liaison between NAPCORE and external organizations on the domain of bus, metro and tram as well as maritime. Furtherb) being active members in the tooling development group, promoting the maintenance of validators created previously in the DATA4PT European project, c)

Laboratories and Services

In 2025, our laboratories continued to evolve and expand, reflecting our commitment to innovation.

The development of a proof of concept for CloudLab commenced, marking a new step towards offering a service for verifying and understanding ITxPT architecture and services.
Our collaboration with the Le Mans laboratory (France) remained. This partnership supported an unprecedented increase in labeling requests, with a fourfold growth compared to previous years.
During 2025, we had interns working at the Gothenburg office. We also welcomed a new software developer in September 2025.





The progress made this year highlights the dedication and synergy within our teams and partners, setting the stage for further advancements in 2025.

S04-MQTT broker-based specification is a key part of the upcoming Chestnut release of ITxPT, scheduled for 2026. The ITxPT laboratory has managed running proof of concept (PoC) with the aim of consolidating the results before final approval of the release. The PoC is a unique opportunity to implement the preview of the S04 MQTT broker-based specification under guidance of the ITxPT laboratory experts through ITxPT test environment.

ITxPT members 2025

3ONEDATA TECHNOLOGY
4PT (TECHON7 APS)
ACKSYS
ACTIA
ADIBUS
ADVANTECH
AESYS
ALLIANCESWISSPASS
ALSTOM
AMNEX
ARCOBEL
ARRIVA
ARRIVA TRAINS
ASIS ELEKTRONIK BILIŞIM SISTEMLERI
ASSTRA
ATB TRONDHEIM
ATRON
BEIJER ELECTRONICS
BELDEN GROUP
BLUEBUS
BOREAL NORGE
BUS EIREANN
BUSTEC
BYD
CAPITOL CORRIDOR JOINT POWERS AUTHORITY (CCJPA)
CAF
CARD4B
CIBEST
CLEVER DEVICES
COLWAY INDUSTRIAL
CONDUENT
CONNECT BUS
CONSAT
CONSORZIO UNICOCAMPANIA
CS GROUP
DA-GROUP
DAHUA TECH
DAIMLER BUSES
DATIK
DE LIJN
DFI
DIGI
DRESEARCH
DTI
EGIS
ELMEC ELETTRONICA SRL
EQUANS
EUROTECH S.P.A.
EXPLEO
FARA
FLOWBIRD
FOURC
GAIA
GIRO
GMV
GUANGZHOU TONGDA AUTO ELECTRIC
GVB
HANOVER DISPLAYS
HARINE
HC LINEAR
HERMAN
HIKVISION
HITACHI ENERGY
HITACHI RAIL ITALIA
HIVEMQ
HOGIA
HSL HELSINKI
IBASE TECHNOLOGY INC.
ICOMERA
INDRA SISTEMAS
INFODEV
INHAND NETWORKS, INC.
INIT
INTRAFFIC
ISR CORP
ITO WORLD LTD
IVECO BUS
IVU TRAFFIC TECHNOLOGIES
JOURNEO
KENTKART
KEOLIS
KOLLEKTIVTRAFIKKFORENINGEN - PUBLIC TRANSPORT NORWAY
KONTRON
KYLAND TECHNOLOGIES
LANTECH
LECIP
LEONARDO S.P.A.
LTA SINGAPORE
LUMINATOR TECHNOLOGY GROUP
LUMIPLAN
MAESTRONIC
MAN TRUCK & BUS
METATRONIX
MLC ITS EUSKADI
MOVIA
MOXA
MULTIQ
NATIONAL TRANSPORT AUTHORITY OF IRELAND
NAVOCAP
NBMS - SNCB
NEC
NETMODULE
NEWFLYER
NOBINA
NORDLAND CITY COUNCIL
NORLED
OBSERVIT
ORING INDUSTRIAL NETWORKING CORP.
OWASYS
OXYFI
PEAK MOBILITY
PILOTFISH
PLL FINNISH LOCAL TRANSPORT ASSOCIATION
PYSAE
QBUZZ NL
R2P
RATP
REGION STOCKHOLM
RET ROTTERDAM
RIDANGO
RTM MARSEILLE
RUTER
SAFETY VISION
SCANIA
SEMITAN
SETEK
SINTRONES TECHNOLOGY
SKANETRAFIKEN
SKANTECH
SKODA DIGITAL S.R.O.
SKYSS HORDALAND AUTHORITY
SNCF
SOLARIS BUS
ST ENGINEERING URBAN SOLUTIONS
SÜDTIROLER TRANSPORTSTRUKTUREN AG-
STAGECOACH GROUP
STIB
STRATIO
STREAMAX
SWARCO
TAIT COMMUNICATIONS
TEC
TELESTE
TELEXIS
TELIA
TENIX
TEQ
THETIS IT
THOREB
TIDE
TISSEO COLLECTIVITÉS
TP DE LA RÉGION LAUSANNOISE
TPC
TPG
TRANSDEV
TRANSLINK VANCOUVER
TRANSPORT FOR GREATER MANCHESTER
TRANSPORT FOR LONDON
TRANSPORTS PUBLICS FRIBOURGEOIS
TRAPEZE
TRIMET PORTLAND OREGON
TRIONA
TRONTEQ
UITP
UNIBUSS
USN
VASTTRAFIK
VDS RAIL
VIVOTEK
VIX TECHNOLOGY
VOLVO BUSES
VONTAS
VY BUSS
WAVECOM
WESTERMO
XIAMEN LENZ COMMUNICATION
XIAMEN MAGNETIC NORTH TECHNOLOGY
XIMEDES
XOVIS
ZF ENGINEERING PLZEŇ

ITXPT
INFORMATION TECHNOLOGY
for PUBLIC TRANSPORT

ITxPT
Information Technology for Public Transport
Rue Sainte-Marie 6
1080 Brussels, Belgium
Tel: +32 492 08 36 78
itxpt.org

ITxPT Gothenburg lab
Lindholmspiren 3-5
417 56 Gothenburg, Sweden