Customer FAQ Guide:
HYPACK® 2026 Q2 Release

PROJ Mode in HYPACK Geodesy

What is PROJ Mode?

PROJ Mode is a new geodesy setup option in HYPACK® that lets you define your project using standard Coordinate Reference System (CRS) definitions, such as EPSG codes, instead of only using the traditional HYPACK grid/zone workflow. HYPACK® uses the PROJ library to resolve the projection, datum transformation, units, and optional vertical CRS information.

Is PROJ Mode replacing HYPACK® Legacy Geodesy?

No. HYPACK® legacy geodesy (now called HYPACK Mode) is still available and still appropriate for many everyday survey workflows. PROJ Mode is an additional option for users who need exact CRS definitions, broader CRS coverage, modern reference frames, or stronger alignment with external GIS and geospatial systems.

Is PROJ Mode only for advanced geodesy users?

No. Basic use can be straightforward: select a CRS, review the operation, and save. However, some concepts like source frame, epoch, and vertical CRS are more advanced and may require guidance.

What is the biggest practical benefit?

The biggest benefit is clarity and reproducibility. The selected CRS and transformation choices are stored explicitly, making the setup easier to verify, explain, repeat, and defend across teams, software platforms, and deliverables.

Can customers validate PROJ Mode before fully adopting it?

Yes. They can use Compare Mode, which runs HYPACK and PROJ calculations side by side and logs differences while still using HYPACK results for actual output.

Will existing projects still work?

Yes. Existing projects can continue using HYPACK Mode exactly as they do now. Customers can move to PROJ Mode when there is a clear benefit, but there is no requirement to switch immediately.

New DQM Experience

What is the new DQM experience?

The new DQM experience brings functionality that previously required the standalone DQM Sender into the Monitor program. Instead of working in separate applications, users can now configure DQM reporting and operational monitoring in one interface.

What problem does it solve?

It reduces duplicate setup, lowers the chance of configuration errors, and makes DQM-required workflows easier to manage by centralizing reporting and monitoring in one place.

Does integrating DQM reporting mean the data is only sent externally?

No. A key benefit is that while data is transmitted to the DQM system, operational data also continues to be stored in the Monitor database. That means the information remains available for HYPACK Link and Reports analysis.

Reports Program

What is the Reports Program?

The Reports Program is a dedicated tool for analyzing dredging operation data and generating operational insights. It helps users track project progress, runtime versus downtime, production volumes, and vessel activity in a structured reporting environment.

What is important about this release?

This release introduces a more defined project-based reporting experience with a dedicated home screen, project setup workflow, dashboard summaries, daily reporting tools, and spatial visualization features.

Sound Velocity Tool

What is the new Sound Velocity tool?

The new Sound Velocity Tool, called SVP Analyzer, is a dedicated application for managing sound velocity profiles. It gives users one place to load, inspect, edit, compare, average, and export casts.

Can customers work with multiple casts at the same time?

Yes. Multiple casts can be loaded and displayed together, each with its own color. This makes it easier to compare profiles, spot outliers, and decide which casts should be used in an average profile.

Digital Signature

What is the Digital Signature feature?

Digital Signature is a new capability that allows HYPACK to generate and validate digital signatures for supported ASCII survey data files. It helps users verify whether a file remains unchanged from the time it was originally recorded.

Why does it matter?

ASCII survey files are human-readable and can be modified outside the software. That can make it hard to prove whether a file is original. Digital Signature adds a way to check authenticity and detect post-recording changes.

Automatic Update Tool

What is the Automatic Update Tool?

The Automatic Update Tool is a built-in update checker in the HYPACK Shell. Users can check for available updates directly from Help > Check for Updates instead of manually searching for new versions.

Can IT-controlled environments disable it?

Yes. The feature is optional and preference-based, so organizations can manage it according to their own update and IT policies