Document Title: Engineering Instruction – Signal System Software Upgrade
Circular No.: ENG/SIG/2025/042
Date: 05 September 2025
Issued By: Chief Signaling Engineer

This instruction is issued regarding the mandatory upgrade of the Alstom Urbalis 400 CBTC signaling software from Version 5.2 to Version 6.0.

Scope:

- Upgrade to be carried out in OCC, BCC, and all station interlocking systems.

- Train-borne signaling equipment must also be patched during scheduled night stabling.

Key Enhancements:

1. Improved train localization accuracy under degraded modes.

2. Enhanced cybersecurity features against unauthorized access.

3. Faster automatic route setting in OCC interface.

4. Integration readiness for future driverless operations.

Implementation Schedule:

- Software installation to begin on 12 September 2025.

- Pilot upgrade at Aluva OCC to be completed by 15 September.

- Full rollout across corridor by 25 September.

Safety & Testing:

- All changes to be validated through joint testing by Signaling & Safety Divisions.

- Fail-safe principles must not be bypassed during transition.

Contractors and depot engineers are directed to ensure complete compliance. Deviations will be treated as major non-conformity. Queries to be addressed to Signaling Division by 08 September 2025.