

BSIS Implementation Model

The Blood Safety Information System (BSIS) implementation process takes a whole system approach to software implementation;

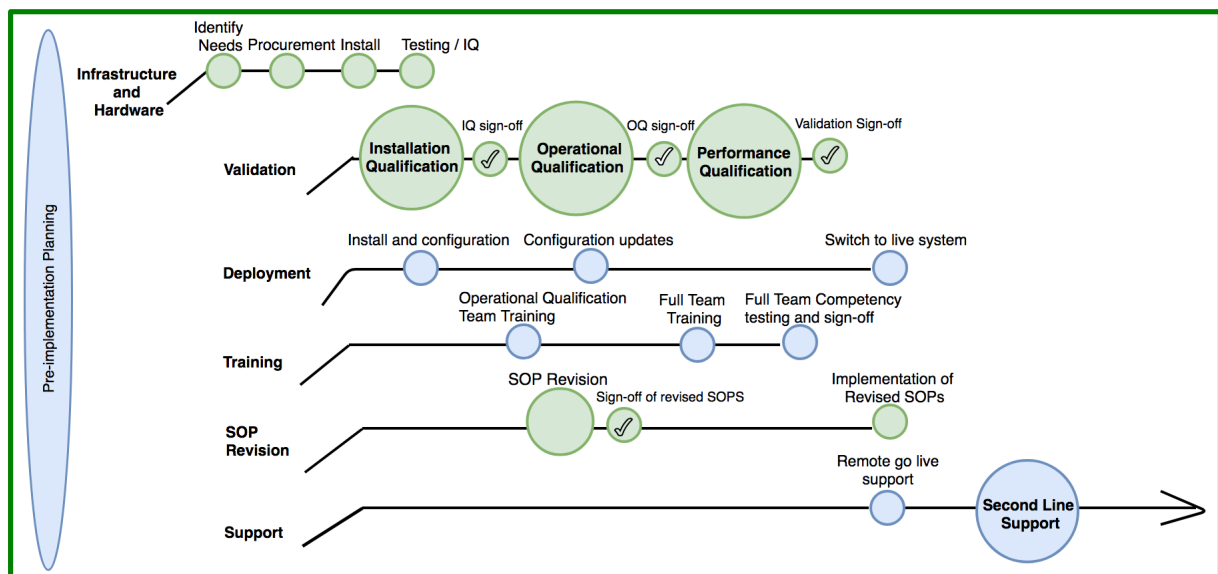
- **acknowledging the interconnection between policy, practice and technology,**
- focusing on **building local capacity to use, manage and maintain BSIS.**

The implementation process delivers two key outcomes;

1. BSIS operating effectively and sustainably in operational (day-to-day) use and
2. The blood service self-reliant in terms of first level support for the BSIS system.

Using this holistic approach will effectively and sustainably implement BSIS and **support countries in the Africa Society for Blood Transfusion (AfsBT) Stepwise Accreditation process**, as well as improved blood availability and safety in resource-limited countries.

Jembi’s BSIS implementation process has six work streams; Infrastructure and Hardware, Validation, BSIS Deployment, Training, Standard Operating Procedure (SOP) Revision and BSIS Support. These work streams were **designed using the ISBT Guidelines for Validation and Maintaining the Validation State of Automated Systems in Blood Banking**, the AfsBT Stepwise Accreditation process and lessons learnt from Jembi’s other implementations of digital health solutions. The below diagram depicts the key recommended steps and scheduling of activities.



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Full Implementation Package

- On site planning visit and tailored implementation plan
- BSIS deployed on site and configured for Blood Service
- Local BSIS Implementation team trained on system use, management and maintenance (including provision of manuals, training materials, competency assessments etc.)
- Full staff training (including provision of manuals, training materials, competency assessments etc.)
- On site and remote system validation support
- Staff competency assessment support
- On site go live support

Not included:

- ICT Infrastructure, hardware and consumables required for operating BSIS

Co-Implementation Package

- Onsite planning visit and tailored implementation plan
- BSIS deployed on site and configured for Blood Service
- Local BSIS Implementation team trained on system use, management and maintenance (including provision of manuals, training materials, competency assessments etc.)
- On site and remote system validation support
- Remote “go live” support

Not included:

- ICT Infrastructure, hardware and consumables required for operating BSIS
- Full staff training and competency assessment assistance
- On site “go live” support

Implementation Planning Package

- On site planning visit and tailored implementation plan

Not included:

- ICT Infrastructure, hardware and consumables required for operating BSIS
- Implementation activities nor support

Self-Implementation

BSIS is an open source software solution and the system is available free of charge to any blood service.

A quality assured release of BSIS can be accessed by contacting rhonwyn.cornell@jembi.org

Not included:

- ICT Infrastructure, hardware and consumables required for operating BSIS
- Implementation planning, activities nor support

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