

# SBCC25 - SBC Core Implementation Course

**Course Duration: 32 HRS**

**Course Code: SBCC25**

## Course Overview

This instructor-led, four- to five-day hands-on workshop enables channel partners, system engineers, consultants, and integrators to independently deploy and manage Ribbon SBC Core solutions—whether hardware (SBC 5K/5400/7000) or Software Edition (SWe). Through real-world lab exercises, participants will practice network design, site preparation, configuration, licensing, testing, and software upgrades. Certification is awarded based on achieving % in the theoretical exam and full marks in the practical exam.

## What you'll learn?

- By the end of the course, learners will be able to:
- Gather deployment information using Ribbon customer questionnaires and documentation.
- Design network and site readiness for SBC deployment.
- Install the SBC (hardware or VM-based Software Edition).
- Configure SBC features and parameters.
- Execute call testing and debugging.
- Run verification test plans and interpret alarms via EMA.
- Perform call trace and packet trace using tools such as Wireshark or the LX tool.
- Analyze Call Detail Records (CDRs) using the “toolbox”.

## Target Audience

This course is aimed at:

- System Engineers

- Consultants
- Integrators

## Pre-Requisites

Completion of SBCC20 – SBC Core Support (or SBCC21). These provide foundational knowledge and are mandatory before attending SBCC25. Participants should bring their own laptops for hands-on lab work.

## Course Content

### Module 1: Deployment Preparation & Planning

- Network design and site readiness
- Using customer questionnaires and documentation to gather deployment details

### Module 2: Installation & Basic Configuration

- Deploying hardware (e.g., SBC 5K/5400/7000) or SWe VM installation
- Performing base SBC configurations, licensing setup

### Module 3: Verification & Testing

- Executing call testing methodologies
- Running the verification test plan and reviewing alarms in EMA

### Module 4: Troubleshooting & Diagnostics

- Debugging call flows
- Performing call trace and packet trace using EMA, LX tool, Wireshark/Tshark
- Analyzing CDRs with toolbox utilities

### Module 5: Software Maintenance & Post-Implementation

- Applying software upgrades

- Post-deployment tasks and wrap-up
- Final practical and theoretical assessments for certification

