This section of the document is an introduction to Terasoft's proposal to complete the software development portion of the Nirvana National Bank (NNB) Automated Teller Machine (ATM) project ("the project"). It will describe the purpose of the project and the objectives that are to be accomplished, the assumptions and constraints that underlie the effort, the deliverables that will be produced by the project, and a summary of the project schedule and budget.

1.1 Project Summary

1.1.1 Purpose, Scope, and Objectives

The purpose of the project is to analyze the requirements of, design, implement, and maintain the software for both the central bank server and the ATM client machines that will comprise the Nirvana National Bank ATM network, according to the requirements specified by the client.

All activities directly related to the purpose are considered to be in scope. All activities not directly related to the purposes are considered to be out of scope. For example, issues concerning ATM hardware and network availability are not within the scope of this project.

The objectives of the project are as follows:
- complete the project by the project due date
- complete the project within budget
- provide all deliverables identified in section 1.1.3 by the project due date
- fulfill all stated requirements, as in the SRS, of the software product deliverable, which fall into one of the following categories
  - central bank customer database modifications
  - interface with central bank computerized accounting system
  - customer ATM transactions
  - customer ATM statement
  - weekly statistical report of ATM operations

1.1.2 Assumptions and Constraints

The project will be planned with the following assumptions:
- this project is a component of a larger project
- this project will deliver only the software components of the larger project
- initial estimates for the project as provided in this SPMP are +/- 40%
- the larger project that this project is a part of has already defined the hardware that the software will run on
- the software products will be Windows NT-based using Windows Open Services Architecture / eXtensions for Financial Services (WOSA/XFS), supporting NNB's desire for an open architecture ATM product
- the ATM hardware has documentation available suitable for interface discovery
- the ATM hardware is defined (4th generation NCR ATM hardware) and detailed documentation about the platform will be delivered to Terasoft by June 1, 2004.
- a documented physical ATM computer network is being created in a separate project and will exist between each ATM client and the central bank in time for acceptance testing

- the ATM hardware is being handled as a separate project and will be available in time for the installation phase
- we will be able to acquire the expertise of two outside consultants from Banks, Etc. to assist with the requirements elicitation and detail design of the ATM client/server software
- this SPMP is submitted as a firm-fixed-price (FFP) bid; the project shall not exceed the established budget
- consultation with NNB and the Steering Committee comes at no cost to the project
- Terasoft will be able to acquire commitment from the required staff for the duration of their activities

The project will be planned with the following constraints:
- budget
  - $3,000,000 (25% of total $12,000,000 budget; software portion only)
- time
  - one year
  - once the software product is installed on the ATM machines, it will take 30 days for NNB to install the physical ATM machines in their permanent locations
- staff
  - two outside consultants from Banks Etc. will be required to assist in the requirements and detail design phases of the project, so as to lend their extensive ATM experience to the project. The consultants will also supplement our team elsewhere, as necessary.
- maintenance
  - the software will have to be designed such that maintenance expenses do not exceed $100,000 per year (software maintenance portion of the total $600,000 budget)

1.1.3 Project Deliverables

All of the items listed in this subsection are the deliverables requested by NNB's ATM project manager that are to be provided prior to completion of the project.

- Software program and library binaries
- Software documentation
  - Installation documentation
  - End-user documentation
  - updates applied to NNB's central bank documentation
- Installation of software program and library binaries on target hardware
- Software training performed against affected users
  - ATM site users (i.e. bank branch staff)
  - ATM site installers
  - Software maintenance team
- Project documentation
  - Software Requirements Specification (SRS)
  - Software Design Specification (SDS)

- o Software Project Management Plan (SPMP)
- o Software Test Plan (STP)
- o Software Quality Assurance Plan (SQAP)
- o Software Configuration Management Plan (SCMP)
- o Software Verification and Validation Plan (SVVP)

1.1.4 Schedule and Budget Summary

The project has the following high-level schedule:
- Delivery of baseline project plan: May 10, 2004
- Software products ready for operation: May 31, 2005

The project has a budget of $3,000,000. Once the software product is delivered, annual maintenance costs should be no larger than $100,000.

The project will be tracked using the Earned Value Management System (EVMS).

1.2 Evolution of the Plan

The plan is considered to be a dynamic document and will be updated monthly by default and on an unscheduled basis as necessary. Scheduled updates to the plan will occur once every month, on the last business day of the month.

Notification of scheduled and unscheduled updates to the plan will be communicated via e-mail to all project participants according to the Reporting Plan (section

Once the initial plan is finalized, a baseline of the plan will be created. Changes to the plan will take place against this baseline. The plan will only receive further baselines if significant change in scope occurs.