

# **Bilateral and Multilateral Processing of International Transactions in Europe**

Overall Project-Masterplan for the Implementation of Berlin Group  
Interfaces at Gateways

Version 1.0

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## 1 Introduction

The document at hand outlines the major work packages of a project for the implementation of a Berlin Group gateway. The document is intended to support interested parties in their development projects as a kind of checklist for setting up implementation projects. Since the implementation environment may differ from case to case, it is not possible to give typical time lines for the different work packages. The check list has been developed on the basis of several implementation projects and has proven as a sound basis for setting up such projects.

## 2 Check List on relevant Work Packages

Work Packages to be taken into account:

1. Overall project definition
  - a. Interoperable Contracts / Definition of interoperable project partner(s)
  - b. Number of contracted devices, size of the project
  - c. Definition on the implementation of issuer and/or acquirer gateway function
  - d. Supported applications (ATM / POS / Internet)
  - e. Definition of target dates for start of production
2. Network Implementation
  - a. Target solution, solution to start the project
  - b. action list on preparing and implementing the communication lines.
3. Implementation of authorisation message flow
  - a. supported functions (e.g. cash back, refund)
  - b. technology (EMV, Magneticstripe),
  - c. Analysis of Berlin Group specifications (e.g. PIN encryption, MAC calculation),
  - d. backup concept and processing
4. Implementation of clearing file transfer
  - a. Analysis of Berlin Group specifications,
  - b. Decision on supported functions (e.g. automated chargebacks, 2<sup>nd</sup> presentments, retrievals, migration plan to full implementation)

- c. Clearing file issues (e.g. file name, File transfer, MACing, gateway definitions)
- 5. Implementation of settlement
  - a. Definition of the settlement account
  - b. Information of / cooperation with the settlement bank
- 6. Implementation of Key Management
  - a. Definition of key custodians, key exchange, key storage
- 7. Testing
  - a. Schedule for internal component testing,
  - b. Schedule for integration testing for authorization and clearing, decision on test cases.
  - c. Definition of test organization and process, e.g. exchange of test cards, responsibilities, communication of results and expected reactions,
  - d. Commitments for Self Certification
- 8. Definition of Workstructure / Persons involved
  - a. Project Structure (decision on establishment of e.g. Management Board, Task Forces, e.g. network, testing, security)
  - b. Telephone conferences
  - c. Project coordination
- 9. Definition of detailed time schedule, milestones
- 10. References:

See [www.Berlin-Group.org](http://www.Berlin-Group.org)