

# WEB-SYNDIC

## Web System for Demonstrating the Syntactic Algorithms for Solving Linear Equations in Nonnegative Integers (Nonnegative Linear Diophantine Equations)

DETAILED MEETINGS CHRONOLOGY  
Iteration 2.0 (started August 2004)

Department of Computer Science, Petrozavodsk State University, Russia

25th November 2004

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### 1 Meeting 2004-08-03

Web-SynDic project

MEETING MINUTES  
August 03th, 2004

Meeting

August 03th, 2004, at 14:00.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

**Attendance**

Dmitry Korzun  
 Kirill Kulakov, manager  
 Andrey Ananin  
 Mikhail Kryshen, secretary

**Absent**

Andrew Salo

**1. Start**

Mr. Korzun started the meeting at 14:05.

**2. Assessment of the situation**

First meeting, project planning.

**3. Discussion**

**\* Customer's requirements and current state of project**

The project team discussed the current state of the project. It was suggested to do minimum amount of changes to the code to implement the requirements.

**\* Reporting**

It was decided to use meeting minutes and working hours formats from the DaCoPAN project.

**\* Project plan**

- Update the old project plan.

- Write new project plan for August-September 2004.

The following plan was suggested by Mr. Korzun:

- o Requirements analysis (before 9.08),
- o Design (9.08 - 15.08)
- o Implementation
- o Testing (the last two weeks)

Also it was suggested to involve people that are not in the project team in the alpha-testing.

**4. Action points**

Mr. Kryshen will analyze the UI-related requirements.

Mr. Ananin will analyzer the password encryption requirement, write abbreviation codes for working hours, develop the project website structure.

Mr. Salo will develop the structure for the user manual.

Mr. Kulakov will write the project plan.

**5. End**

Mr. Korzun ended the meeting at 15:45.

## 2 Meeting 2004-08-06

Web-SynDic project

MEETING MINUTES  
 August 06th, 2004

**Meeting**

August 06th, 2004, at 14:05.

Room 431  
 Petrozavodsk State University  
 Lenin st. 33, Petrozavodsk

**Attendance**

Yury Bogoyavlenskiy, customer

Dmitry Korzun  
 Kirill Kulakov, manager  
 Andrey Ananin, secretary  
 Andrew Salo  
 Mikhail Kryshen

**Absent**

No one was absent

#### 1. Start

Mr. Korzun started the meeting at 14:05.

#### 2. Assessment of the situation

Requirements analysis, start of Design.

#### 3. Discussion

##### \* Requirements analysis

The group discussed current requirements with the Customer:

- there are three logical levels of User limits interface: minimum (time and memory for solver), parameters of generation and apparent restrictions on solver parameters (seldom usage).

- parameters of generation should be placed near the running button.
- coordinate and explain terms and links for the measurement parameters.
- set 10 spooler tasks by default.
- place all project documentation and user manual on the web-site.

Customer left meeting at 14.40

##### \* Other issues

- Requirements should be detailed and finished.
- Start Design phase.
- New tasks and priority of tasks.
- User manual discussion.

#### 4. Action points

All developers: detailed requirements and start design.

Mr. Ananin: start design password encryption, develop web-site structure.

Mr. Kryshen: analyze user limits interface, detailed it in User requirements document.

Mr. Kulakov: analyze memory and time measurement, project plan, check solutions between solvers.

Mr. Salo: spooler tasks and session monitor, user manual structure. check solutions between solvers.

#### 5. End

Mr. Kulakov ended the meeting at 15:20.

## 3 Meeting 2004-08-10

Web-SynDic project

MEETING MINUTES  
August 10th, 2004

#### Meeting

August 10th, 2004, at 14:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Kirill Kulakov, manager  
Andrey Ananin  
Andrew Salo, secretary  
Mikhail Kryshen

#### Absent

Dmitry Korzun

#### 1. Start

Mr. Kulakov started the meeting at 14:00.

#### 2. Assessment of the situation

The Design phase of the project goes on.

### 3. Discussion

#### \* Design

Mr. Kulakov starts discussion about current state of the Design phase.

Mr. Kryshen reports about forms design. It is decided to include generation parameters and limits into the generation form. It is unclear where to place time and memory limits.

Mr. Kryshen suggests to hide solver limits from common users, and to use something like "Show limits" button.

Mr. Salo suggests to use different limits for different user groups. Mr. Kryshen raises question about groups management. Mr. Kulakov stops the discussion.

Mr. Kulakov reports about problems with using ulimit and getrusage. The main problems are: 1) if a limit is exceeded, ulimit terminates the running process with some exit code, and that code may intersect with the exit code of the process itself, not terminated by ulimit; 2) getrusage function is not completely implemented under Linux. It is decided to analyze exit codes problem.

Mr. Salo report on SolverSpooler changes design. The ability to configure SolverSpooler queue capacity is already implemented. The function, which is responsible for checking solutions of ANLDE system, is designed and documented in the Design document. Mr. Kulakov starts discussion about session monitor. It is decided to place information about opened sessions (including registered and anonymous user sessions) and solver spooler tasks under "Login" form.

Mr. Ananin reports on password encryption design and implementation. The password encrypting functions are designed, documented in the Design document, and implemented. The Web cite requirement is added to the Requirements specification.

### 4. Action points

All developers: continue design phase, fill working hours.

Mr. Ananin: finish password encryption design, develop web-site structure.

Mr. Kryshen: finish user limits interface design.

Mr. Kulakov: analyze memory and time measurement.

Mr. Salo: meeting minutes, session monitor design.

5. End

Mr. Kulakov ended the meeting at 14:40.

## 4 Meeting 2004-08-13

Web-SynDic project

MEETING MINUTES

August 13th, 2004

Meeting

August 13th, 2004, at 15:30.

Room 431

Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun

Kirill Kulakov, manager

Andrey Ananin

Mikhail Kryshen, secretary

Andrew Salo

Absent

No one was absent.

1. Start

Mr. Korzun started the meeting at 15:30.

## 2. Assessment of the situation

The Design phase of the project goes on.

## 3. Discussion

### \* Design

The project team discussed the current state of the design and implementation. The problem of monitoring resources consumed by external algorithms is not solved yet.

Also the limits management UI was discussed. It was decided to arrange a meeting with the customer to show the UI.

### \* Testing

Mr. Kryshen was made responsible for organizing a team of alpha-testers.

Preparation for the testing: develop collection of fixed tests, prepare to stress-test the spoolers.

Also the group discussed the format of the test execution log.

## 4. Action points

All team members continue working at their current tasks.

Mr. Kulakov and Mr. Ananin will develop the format for the test execution log.

Mr. Ananin will collect materials for the project web site.

Mr. Kryshen will prepare to show the limits management UI to customer.

## 5. End

Mr. Korzun ended the meeting at 16:20.

# 5 Meeting 2004-08-17

Web-SynDic project

MEETING MINUTES

August 17th, 2004

## Meeting

August 17th, 2004, at 15:56.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

## Attendance

Yury Bogoyavlenskiy, customer

Dmitry Korzun

Kirill Kulakov, manager

Andrey Ananin, secretary

Mikhail Kryshen

Andrew Salo

## Absent

No one was absent.

## 1. Start

Mr. Korzun started the meeting at 15:56.

## 2. Assessment of the situation

The Design phase of the project goes on but Implementation is already started in some ways.

User limits interface, external algorithms should be discussed with the Customer.

## 3. Discussion

### \* Design

The project team discussed the current state of the design and implementation. The problem of monitoring

resources consumed by external algorithms is not solved, but it was decided to use ulimit tool to estimate memory and to develop algorithm for calculating expected solver.

Also the User limits interface was discussed with the customer. All constructive propositions from the Customer side should be considered.

Website should contain annotation, project documentation, user manual, project team information.

\* Testing

Mr. Kryshen was made responsible for organizing a team of alpha-testers.

\* Preliminary data of alpha-testing is 27.08.2004

4. Action points

All team members continue working at their current tasks (design or implementation of corresponding user requirements).

Mr. Ananin will collect materials for the project web site, develop structure of the site.

5. End

Mr. Korzun ended the meeting at 17:10.

## 6 Meeting 2004-08-20

Web-SynDic project

MEETING MINUTES  
August 20th, 2004

Meeting

August 20th, 2004, at 14:00.

Room 431  
Petrozavodsk State University

Lenin st. 33, Petrozavodsk

Attendance

Yury Bogoyavlenskiy, customer

Dmitry Korzun

Kirill Kulakov, manager

Andrey Ananin

Andrew Salo, secretary

Mikhail Kryshen

Absent

none

1. Start

Mr. Korzun started the meeting at 16:15.

2. Assessment of the situation

The Implementation and Testing phases of the project go on.

3. Discussion

\* Implementation

Mr. Korzun starts discussion about web cite. Mr. Ananin reports about current state of cite development. It is decided to put the cite on the web. Each developer is assigned to check the web cite.

Mr. Kulakov starts discussion about extended algorithms. He reports about functions used to control time and memory. Monday (23.08.2004) is chosen as deadline for implementation.

Mr. Korzun starts discussion about interface. Mr. Kryshen reports about current state of user interface development. The customer is ready to check the user interface. Mr. Korzun raises question about pop-up windows. It is decided to adjust terms used in the web cite and to add functionality to the user interface. The customers requires showing notifications before generation

and solving processes.

Mr. Korzun starts discussion about session monitor. Mr. Salo reports about current state of its development. He is assigned to start testing of his modules.

\* Testing

Mr. Korzun starts discussion about alpha-testing with volunteer testers. Each developer is assigned to prepare own blocks to the testing and find the volunteers. Friday (27.08.2004) is chosen as alpha-testing day.

Mr. Salo starts discussion about Tomcat web server. It is decided to use local (not common) web server during alpha-testing.

\* Documentation

Mr. Korzun starts discussion about documentation. User manual is briefly discussed. It is decided to start user manual rewriting.

#### 4. Action points

All developers: finish implementation and testing, prepare own blocks to alpha-testing, find volunteer testers, check the web cite, fill working hours.

Mr. Ananin: finish the web cite development, start rewriting user manual.

Mr. Kryshen: finish user interface development, implement notifications.

Mr. Kulakov: finish extended algorithms implementation, plug check solution function.

Mr. Salo: test own modules, start rewriting user manual.

#### 5. End

Mr. Korzun ended the meeting at 17:00.

## 7 Meeting 2004-08-24

Web-SynDic project

MEETING MINUTES  
August 14th, 2004

#### Meeting

August 24th, 2004, at 14:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Kirill Kulakov, manager  
Andrey Ananin  
Mikhail Kryshen, secretary  
Andrew Salo

#### Absent

Dmitry Korzun

#### 1. Start

Mr. Kulakov started the meeting at 14:10.

#### 2. Assessment of the situation

The project is close to the alpha-testing.

#### 3. Discussion

The group members reports on the current states of their tasks.  
Mr. Salo suggested to use JUnit framework for testing.

#### 4. Action points

All team members continue working at their current tasks.

Mr. Kryshen will send email with the alpha-testing announcement.

#### 5. End

Mr. Kulakov ended the meeting at 14:25.

## 8 Meeting 2004-08-27

Web-SynDic project

MEETING MINUTES  
August 27th, 2004

#### Meeting

August 27th, 2004, at 14:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Andrey Ananin, secretary  
Mikhail Kryshen

#### Absent

Andrew Salo

#### 1. Start

Mr. Korzun started the meeting at 14:05.

#### 2. Assessment of the situation

External algorithms, user interface, check solution, website, alpha-testing, server loading, documentation should be discussed.

#### 3. Discussion

\* External algorithms

External algorithms were realized and checked, but user limits can not be set using interface, so they are set by hand.

There are two problems with algorithms:

1) None information about time and memory is available, when solver was failed.

2) Generator is now working using threads, but solvers are working using files.

Also whole each ANLDE system in set of ANLDE systems should be solved even one is failed.

#### \* User interface

User interface development is in process. There are many fixes in Solver and Spooler classes. Report on solution will be changed (memory and time). Loading of the report solution in some cases takes much time.

#### \* Check solutions

Checking solution is now supported and integrated. Some tests were executed.

#### \* Website

Website is also near completing. Working hours and meeting minutes should be added in the Project documentation metrics.

#### \* Server loading

There is a problem with word wrapping in the Server loading section.

#### \* Alpha-testing

Alpha-testing will be performed only after all changes and checks. Preliminary data: 2004.09.02.



List of preliminary scenarios of tests was started.

\* Documentation

Some ANLDE systems should be added in the Web-SynDic system.  
User manual should be checked and changed. Web page about  
experimental usage (memory, time) of the Web-SynDic should be added.  
Project metrics document should be added.

4. Action points

All developers:

fill test plan, test execution documents.

Mr. Kryshen:

continue user limits implementation,  
independent reading of Solver and Spooler java codes,  
change server loading information section.

Mr. Ananin:

add working hours, meeting minutes and project metrics  
in the Project documentation section in the website, remove  
implementation document.

Mr. Salo:

independent reading of Solver and Spooler java codes.

Mr. Kulakov:

realize generator work using files, information about  
solver report should be available in any case, each solver should  
be run, even if syntactic solver was failed, detail list of  
tests for alpha-testing.

5. End

Mr. Korzun ended the meeting at 15:53.

## 9 Meeting 2004-08-31

August 31th, 2004

Meeting

August 31th, 2004, at 14:00.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

Attendance

Kirill Kulakov, manager

Andrew Salo, secretary

Mikhail Kryshen

Absent

Dmitry Korzun

Andrey Ananin

1. Start

Mr. Kulakov started the meeting at 14:00.

2. Assessment of the situation

The system should be finished as soon as possible.

Alpha-testing should be performed.

3. Discussion

\* Implementation

Mr. Kulakov starts discussion about user limits  
implementation in servlets and JSP. Mr. Kryshen reports  
about current state of implementation. Wednesday 16.00  
(01.09.2004) is chosen as deadline for implementation.

Mr. Kulakov starts discussion about extended algorithms. He  
reports about current state of implementation. Everything  
seems to work fine.

Mr. Kulakov starts discussion about code inspection. Each developer is assigned to perform code inspection.

Mr. Kryshen starts discussion about problems with serve load information. It is decided to fix the information.

\* Alpha-testing

Mr. Kulakov starts discussion about roles assessment. Mr. Salo is assigned to be the secretary, Mr. Kulakov is assigned to be the technical manager, and Mr. Kryshen is assigned to be the organization manager.

Mr. Kulakov starts discussion about the list of participants. Mr. Kryshen reports on forthcoming participants.

4. Action points

All developers: finish implementation and testing, perform code inspection, prepare own blocks to alpha-testing, fill working hours.

Mr. Kryshen: finish user limits implementation, fix slow loading of solution report page.

Mr. Kulakov: prepare testing plan.

Mr. Salo: fix server load information.

5. End

Mr. Kulakov ended the meeting at 14:25.

## 10 Meeting 2004-09-03

Web-SynDic project

MEETING MINUTES  
September 3rd, 2004

Meeting

September 3rd, 2004, at 14:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Mikhail Kryshen, secretary  
Andrew Salo

Absent

Andrey Ananin

1. Start

Mr. Korzun started the meeting at 14:20.

2. Assessment of the situation

Alpha testng was performed, the group have a list of bugs to discuss.

3. Discussion

\* Alpha-testing

The group analyzed the list of known bugs, tester's notes and other problems including "Server Load" format, terminology in the solution reports and glossary. All problems was assigned to some developers (the full list with assignments is available in a separate file).

\* User manual

The user manual structure will be discussed at the next meeting. Also it was decided to describe experiments and project metrics in the user manual. The page with sample ANLDE systems will be added to the web system.

\* Generators development

The group discussed the future development of the generator algorithms (generating NxN systems, using generated basis solution). Corresponding information should be added to the documentation.

Also the group shortly discussed new schedule and the deployment of the web system.

#### 4. Action points

See the text\_exec/alpha/bugs.txt for task assignments.

#### 5. End

Mr. Korzun ended the meeting at 16:20.

## 11 Meeting 2004-09-07

Web-SynDic project  
September 07th, 2004

MEETING MINUTES

#### Meeting

September 07th, 2004, at 17:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Andrew Salo, secretary  
Mikhail Kryshen

#### Absent

Andrey Ananin

#### 1. Start

Mr. Korzun started the meeting at 17:00.

#### 2. Assessment of the situation

The system debugging after alpha-testing and user manual should be finished as soon as possible. NTTM conference and upcoming publication should be discussed.

#### 3. Discussion

##### \* NTTM conference

Mr. Korzun starts discussion about NTTM conference. It is required to send materials including group photo, project description, theses, and slides. It is needed to convert slides to JPEG format.

##### \* Publication

Mr. Korzun starts discussion about publication. Mr. Kulakov reports that he had no time to prepare publication plan.

##### \* User Manual

Mr. Korzun starts discussion about user manual. Mr. Salo makes a presentation of document current state and suggested changes. After discussion User Manual is restructured and different parts assigned to developers. Mr. Kryshen suggests to use screen-shots with browser decorations.

##### \* Debugging

Mr. Korzun starts discussion about debugging based on alpha-testing results. Each developer reports on debugging current state. After bugs discussion tasks highest priority is given to debugging.

#### 4. Action points

All developers: finish debugging, start writing User Manual document, prepare no less than 3 FAQs for own section in User

Manual, fill working hours.

Mr. Ananin: write following sections in User Manual:

- \* References.

Mr. Kryshen: finish debugging, write following sections in User Manual:

- \* Installation & Configuration;
- \* Reference Manual:
  - Registration;
  - Algorithms Configuration.

Mr. Kulakov: finish debugging, prepare NTTM materials, prepare publication plan, write following sections in User Manual:

- \* Getting Started;
- \* Reference Manual:
  - ANLDE description;
  - Processing single ANLDE system;
  - Processing set of ANLDE systems.

Mr. Salo: write following sections in User Manual:

- \* Introduction;
- \* Reference Manual:
  - Sessions & server load;
  - Notes;
- \* System Administrator Manual;
- \* Abbreviations and Terms.

5. End

Mr. Korzun ended the meeting at 18:10.

## 12 Meeting 2004-09-14

Web-SynDic project  
September 14th, 2004

MEETING MINUTES

Meeting

September 14th, 2004, at 16:00.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun

Kirill Kulakov, manager

Andrew Salo

Mikhail Kryshen

Andrey Ananin, secretary

1. Start

Mr. Korzun started the meeting at 16:00.

2. Assessment of the situation

The system debugging and user manual

should be finished as soon as possible. Abrau conference and upcoming publication should be discussed. Also new metrics are needed.

3. Discussion

- \* Abrau conference

Mr. Korzun is leaving in Abrau to present Web-SynDic project.

CD with presentations should be written. As example new big dimension ANLDE system should be written and solved by abkde solver.

- \* Publication

Mr. Korzun starts discussion about publication.

Publication plan should be discussed on the next meetings.

- \* User Manual

Mr. Kulakov was finished his part of the User manual

and starts GGetting started section. Introduction also was finished.

Glossary should be discussed.

\* Debugging

Each developer reports on debugging current state. After bugs discussion tasks highest priority is given to debugging. Scenarios for tracking bugs are needed for the next testing. Also ANLDE example page is needed to add.

4. Action points

All developers: finish debugging, writing User Manual document, prepare no less than 3 FAQs for own section in User Manual, fill working hours.

Mr. Ananin: write following sections in User Manual:

- \* References;
- \* Registration;

Develop structure of Metrics document for the second stage of the Web-SynDic project. Write ANLDE example page.

Mr. Kryshen: finish debugging, write scenarios for tracking bugs, write following sections in User Manual:

- \* Installation & Configuration;
- \* Reference Manual:
  - Algorithms Configuration.

Mr. Kulakov: finish debugging, prepare NTTM materials, prepare publication plan, write following sections in User Manual:

- \* Getting Started;

Mr. Salo: write following sections in User Manual:

- \* Reference Manual:
  - Sessions & server load;
  - Notes;
- \* System Administrator Manual;
- \* Abbreviations and Terms.

5. End

Mr. Korzun ended the meeting at 16:45.

## 13 Meeting 2004-09-17

Web-SynDic project

MEETING MINUTES  
September 17rd, 2004

Meeting

September 17rd, 2004, at 13:30.

Room 431

Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Mikhail Kryshen, secretary  
Andrey Ananin

Absent

Andrew Salo

1. Start

Mr. Korzun started the meeting at 13:35.

2. Assessment of the situation

Most of the team is working on the User Manual. But there are still few bugs to fix in the list.

3. Discussion

\* Publication Plan

Mr. Kulakov reported that the server will be installed on host 'zeta'. Mr. Korzun suggested to make the publication plan in written form including the following sections:

- administrator assignment,
- advertising of the system,
- system requirements.

**\* Publication**

The following items should be ready before publication:

- publication plan,
- project web site,
- user manual,
- metrics document.

**\* Other Issues**

- The project information for NTTM database was sent.
- Algorithms Configuration section of User Manual was reassigned to Mr. Kulakov.
- It was suggested that the whole team should perform testing of the web system.

**4. Action points**

All group members continue working on their current tasks.

In addition:

- Mr. Kulakov will send a letter with corrected information for NTTM database.

- Mr. Kulakov will write Algorithms Configuration section of user manual (task was previously assigned to Mr. Kryshen).

- Mr. Kryshen and Mr. Salo will perform the source code inspection of Algorithm Server subsystem.

**5. End**

Mr. Korzun ended the meeting at 13:50.

## 14 Meeting 2004-09-27

Web-SynDic project

MEETING MINUTES  
September 27th, 2004

Meeting

September 27th, 2004, at 13:35.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

**Attendance**

Kirill Kulakov, manager

Mikhail Kryshen

Andrey Ananin, secretary

**Absent**

Andrew Salo

Dmitry Korzun

**1. Start**

Mr. Kulakov started the meeting at 13:35.

**2. Assessment of the situation**

Most of the team is working on the User Manual. But there are still few bugs to fix in the list, testing should be started, project metrics document should be started.

**3. Discussion****\* User manual**

Section 'Changing user profile should be added',  
Draft of the algorithm configuration section is ready,

**\* Bugs fixing**

Almost all bugs are fixed, Mr. Kryshen is almost finished fixing last bug.

**\* Testing**

Plan for the testing should be discussed on the next meeting.

**\* Project metrics document**

This is a preliminary structure of the new project metrics document:

- Introduction

- Project schedule
- Human resources
- Software size
- Document size (old+new)
- Testing size
- Project CVS repository size

\* Other Issues

- The project information for NTTM database was sent.
- ANLDE Example page and page about experiments should be added

4. Action points

All group members continue working on their current tasks.

In addition:

- Mr. Salo writes Instalation and configuration section (low priority) which was assigned to Mr. Kryshen previously.

5. End

Mr. Kulakov ended the meeting at 14:15.

## 15 Meeting 2004-10-04

Web-SynDic project  
October 04th, 2004

MEETING MINUTES

Meeting

October 07th, 2004, at 15:15.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Andrey Ananin  
Andrew Salo, secretary  
Mikhail Kryshen

Absent

Dmitry Korzun  
Kirill Kulakov

1. Start

Mr. Salo started the meeting at 15:15.

2. Assessment of the situation

The system should be prepared to upcoming testing and deployment. User Manual should be finished as soon as possible, project metrics document tasks should be assigned.

3. Discussion

\* Debugging

Mr. Salo starts discussion about current debugging state. Mr. Kryshen reports that all required bugs are fixed, including timeout problem and notification page. Only requests for improvements left in the bug list.

\* Documentation

Mr. Salo starts discussion about current state of the User Manual. Each developer reports on his part of the document. It seems like the document is almost finished. It is needed only to write FAQ section and update screenshots.

Mr. Salo starts discussion about Project Metrics document. After the discussion each developer is assigned to write some parts of the document.

\* Testing

Mr. Salo starts discussion about testing. The system seems to be ready for the next testing. Mr. Kryshen suggests to perform user interface testing. After the discussion Wednesday (13.10.2004) is chosen as a day for testing.

\* Deployment

It is decided to discuss deployment of the system after finishing the testing.

#### 4. Action points

All developers: prepare no less than 3 FAQs for own section in User Manual, start Project Metrics document, prepare to testing, perform code and user interface inspection, fill working hours.

Mr. Ananin: write following sections in Project Metrics document:

- \* Software Size;
- \* Documentation Size.

Mr. Kryshen: write following sections in Project Metrics document:

- \* Testing Size;
- \* Project CVS Repository Size.

Mr. Kulakov: write following sections in Project Metrics document:

- \* Introduction;
- \* Project Schedule.

Mr. Salo: write following sections in Project Metrics document:

- \* Human Resources.

#### 5. End

Mr. Salo ended the meeting at 15:45.

## 16 Meeting 2004-10-07

Web-SynDic project

MEETING MINUTES  
October 7th, 2004

#### Meeting

October 7th, 2004, at 13:30.

Room 431  
Petrozavodsk State University

Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Mikhail Kryshen, secretary  
Andrey Ananin  
Andrew Salo

#### Absent

No one was absent.

#### 1. Start

Mr. Korzun started the meeting at 13:35.

#### 2. Assessment of the situation

The project is close to finish.

#### 3. Discussion

##### \* Bug list

Mr. Kryshen reported that there is 1 bug to fix (found today). Suggestions for improvements (possibility to reset algorithms configuration to default values and list of users, tips) will be added to the future development plan.

##### \* User manual

It was suggested to perform inspection of the User manual. Sections of the document were assigned to group members.

##### \* Metrics

It was decided to use the old Metrics document as the base for a new one, which will include information about both project stages.

##### \* Project Plan

The tasks group should finish before 17.10 are:

- testing,
- web site,



- User manual (version 2),
- Publication plan.

The tasks group should finish before 17.10 are:

- User manual (final version),
- Metrics document.

\* Other Issues

- Testing was scheduled on 13.10, 13:30.
- Mr. Korzun told about his participation in conference in Abrau.

4. Action points

Mr. Ananin will complete the list of links for the Web site, perform inspection of the Introduction, Processing of a test ANLDE system and Notes sections of the User manual and copy old Metrics document to start new version.

Mr. Salo will perform inspection of the Getting started, Registration and login sections of the User manual.

Mr. Kulakov will perform inspection of the Server Load, User profile, Sysadmin manual and Glossary sections of the User manual.

Mr. Kryshen will remove abbreviation tags from the web system pages, add recently found bug (parallel requests for generation) to the list and fix it, perform inspection of the ANLDE system, Algorithms configuration and Installation and configuration sections of the User manual.

Everyone will review the Web site and write FAQ's.

5. End

Mr. Korzun ended the meeting at 14:30.

## 17 Meeting 2004-10-13

Web-SynDic project

MEETING MINUTES  
October 13rd, 2004

Meeting

October 13rd, 2004, at 15:15.

Room 431

Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Mikhail Kryshen  
Andrey Ananin, secretary  
Andrew Salo

Absent

No one was absent.

1. Start

Mr. Korzun started the meeting at 15:15.

2. Assessment of the situation

The project is close to finish.

3. Discussion

\* Testing

A few bugs were found. They should be added in the bugs list.  
It was decided to use Tomcat 5.0.28 for the Web-SynDic system.  
Next date for the testing: 2004.10.25, 18:40

\* Publication plan

Preliminary meeting with the Customer is needed.  
Some resources are needed for Web-SynDic place on the server.

\* Metrics

It was decided to use the old Metrics document as the base for a new one, which will include information about both project stages.

\* User manual

Checking corresponding parts of the User manual should be finished on this week.

\* Project metrics

Project metrics document should be finished on the nex week.

4. Action points

Mr. Ananin will complete the list of links for the Web site (Abrau docs), perform inspection of the Introduction, Processing of a test ANLDE system and Notes sections of the User manual.

Mr. Salo will perform inspection of the Getting started, Registration and login sections of the User manual.

Mr. Kulakov will perform inspection of the Server Load, User profile, Sysadmin manual and Glossary sections of the User manual.

Mr. Kryshen will remove abbreviation tags from the web system pages, add some testing issues in the Testing size section of the Project metrics document, add bugs in the bugs list, perform inspection of the ANLDE system, Algorithms configuration and Installation and configuration sections of the User manual.

Everyone will review the Web site and write FAQ's.

5. End

Mr. Korzun ended the meeting at 16:00.

## 18 Meeting 2004-10-21

Web-SynDic project

MEETING MINUTES

October 21th, 2004

Meeting

October 21th, 2004, at 16:00.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Andrey Ananin  
Andrew Salo, secretary  
Mikhail Kryshen

Absent

none

1. Start

Mr. Korzun started the meeting at 16:00.

2. Assessment of the situation

Current state of testing and debugging of the system should be discussed. Documentation including User Manual and Project Metrics Document should be prepared. Some project organization and plan issues should be discussed.

3. Discussion

\* Project organization and plan

Mr. Korzun starts discussion about project organization. He claims that he is not satisfied with the current state of affairs. Mr. Kulakov is assigned to control the developers more strictly. He is also assigned to update the Project Plan document.

\* User Manual

Mr. Korzun starts discussion about current state of the User Manual document. Each developer reports on his part of the

document:

Section	Inspector	Author	Inspected	Fixed
Introduction	AA	KK	+	-
Getting Started	AS	KK	+	+
ANLDE theory	MK	KK	-	-
Alg. Config.	MK	KK	+	-
Process Systems	AA	KK	+	-
Server Load	KK	AS	+	+
Reg. & LogIn	AS	AA	+	+
User Profile	KK	AA	+	-
Notes	AA	AS	+	-
Sysadmin manual	KK	AS	+	+
Install. & Config.	MK	KK	+	-
Glossary	KK	AS	+	+

Nobody except Mr. Kulakov has written FAQ's to corresponding section. Monday (2004-10-25) is chosen as milestone for finishing User Manual document.

#### \* Testing & Debugging

Mr. Korzun starts discussion about current state of system testing and debugging. Mr. Kryshen reports on problems with moving to Jakarta Tomcat 5.0 and Linux Kernel 2.6.9. All the the bugs are presented in the bug list. There are four main problems:

- solvers failed to execute under Linux Kernel 2.6.9;
- sending notes subsystem fails to work under Tomcat 5.0;
- problems with exceptions handling in spoolers;
- problems with results precision under Linux Kernel 2.6.9.

Each developer is assigned to solve one problem. Mr. Korzun suggests to perform new testing. Monday (2004-11-01) is chosen as a day for it.

#### \* Project Metrics

Each developer continues working on his part of the Project Metrics document. Thursday (2004-11-04) is chosen as milestone for finishing the Project Metrics document.

#### 4. Action points

All developers: finish the dreaded User Manual document, fix assigned bugs, prepare Project Metrics document, fill working hours.

Mr. Ananin: fix algorithm problem under new kernel.

Mr. Kryshen: fix exception handling problem in the spoolers.

Mr. Kulakov: fix results precision problem under new kernel, prepare list of active tasks, add bugs descriptions to the Requirements Specification document.

Mr. Salo: fix sending notes problem under Tomcat 5.0.

#### 5. End

Mr. Korzun ended the meeting at 16:50.

## 19 Meeting 2004-10-25

Web-SynDic project

MEETING MINUTES  
October 25th, 2004

#### Meeting

October 25th, 2004, at 15:15.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
Kirill Kulakov, manager

Mikhail Kryshen, secretary  
Andrey Ananin  
Andrew Salo

**Absent**

No one was absent.

**1. Start**

Mr. Korzun started the meeting at 15:25.

**2. Assessment of the situation**

User manual version 2 milestone.

**3. Discussion****\* User manual**

Tasks to be done to finish User manual version 2:

- correction of the algorithms configuration section,
- FAQ's.

Also it was decided to perform the global inspection of the document (by 01.11).

**\* Testing**

All group members reported the current state of debug and testing. Mr. Kryshen and Mr. Salo still have some issues to fix.

Customer required the group to perform additional testing. It was decided to perform it together with the beta-testing scheduled for 01.11. The technical manager role is assigned to Mr. Kryshen. Mr. Kulakov will lead the testing.

**\* Metrics**

The group reported the current status of the Metrics document. There is no new information added to the document, but all scripts needed for metrics calculation are ready.

**\* Publication**

Mr. Korzun suggested to update the Web-SynDic version

available at zeta.cs.karelia.ru:8080.

**4. Action points**

Mr. Kryshen and Mr. Kulakov will fix the Algorithms configuration section of the User manual.

Mr. Kulakov will prepare testing scenario.

Mr. Ananin will write the ANLDE examples page.

All group members continue working on their previously unfinished tasks.

The global inspection of the User manual document was not assigned.

**5. End**

Mr. Korzun ended the meeting at 16:00

## 20 Meeting 2004-10-28

Web-SynDic project

MEETING MINUTES  
October 28th, 2004

**Meeting**

October 28th, 2004, at 15:25.

Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

**Attendance**

Dmitry Korzun  
Kirill Kulakov, manager  
Mikhail Kryshen  
Andrey Ananin, secretary  
Andrew Salo

**Absent**

No one was absent.

**1. Start**

Mr. Korzun started the meeting at 15:25.

**2. Assessment of the situation**

Testting and fixing bugs.

User manual version 2 milestone.

Project metrics.

Publication plan.

**3. Discussion****\* Testing and fixing bugs**

Note problem was not solved for Tomcat, so

it was decided to leave this problem in current situation

and add it to the feature development of the Web-SynDic.

All other bugs were fixed. Testing date: 01.10.2004, 18:40

**\* User manual**

Global inspection of the document will be after testing.

**\* Metrics**

The group reported the current status of the Metrics

document. There is no new information added to the document,

but all scripts needed for metrics calculation are ready,

it was decided to perform calculation after testing.

**4. Action points**

Mr. Kryshen add to Requirement specification not fixed bugs,  
remove abbreviations tags.

Mr. Kulakov will prepare testing scenario, update project schedule,  
install Web-Syndic on zeta.

Mr. Ananin will write the ANLDE examples page.

All group members continue working on their previously

unfinished tasks.

The global inspection of the User manual document was not  
assigned.

**5. End**

Mr. Korzun ended the meeting at 15:55

**21 Meeting 2004-11-04**

Web-SynDic project

MEETING MINUTES

November 04th, 2004

**Meeting**

November 04th, 2004, at 16:00.

Room 431

Petrozavodsk State University

Lenin st. 33, Petrozavodsk

**Attendance**

Dmitry Korzun

Kirill Kulakov, manager

Andrey Ananin

Andrew Salo, secretary

**Absent**

Mikhail Kryshen

**1. Start**

Mr. Korzun started the meeting at 16:00.

**2. Assessment of the situation**

Project Metrics document needs to be finished. The Web-SynDic  
system code should be frozen. User Manual and Publication  
issues need to be discussed.

### 3. Discussion

#### \* Code release

Mr. Korzun starts discussion about current defects and code release. It seems like Mr. Kryshen has done all fixes except changing time constraints. Mr. Salo reports that he has done all fixes. After some discussion it is decided to fix problem with "test.error" file. Name of "Agree with solution" button should also be fixed. The release of the Web-SynDic system should be performed.

#### \* Project Metrics

Mr. Korzun starts discussion about current state of the Project Metrics document. Mr. Ananin reports that all his parts are almost finished. Mr. Salo reports that his part of the document is also almost finished. It is needed to freeze personal Working Hours of developers to finish "Human resources" part. Mr. Kulakov reports that "Project plan" part is finished, but needs to be updated. It is needed to inspect the document. Monday (2004-11-15) is chosen as a milestone for finishing the document (and hopefully all the project).

#### \* User Manual

Mr. Korzun starts discussion about current state of the User Manual document. It is needed to add web-cite links to the document and perform global inspection.

#### \* Publication

Each developer continues working on his part of the Project. Mr. Korzun starts discussion about current state of the publication. Mr. Kulakov reports that current version is presented in CVS. Mr. Korzun promises to send annotation by e-mail.

#### \* Other issues

Mr. Korzun suggests to add Web-SynDic home site link to the Web-SynDic system site. It also need to obtain possibly smooth HTML version from the existing LaTeX code using latex2html tool. The next meeting is arranged to 15.30 at Thursday (2004-11-11).

### 4. Action points

All developers: finish the all unfinished documentation tasks, fill working hours.

Mr. Ananin: fix "Agree with solution" button name, convert LaTeX documentation to HTML format, add Web-SynDic home site link to the Web-SynDic system site.

Mr. Kryshen: perform global inspection of the Human Resources document, fix time constraints problem.

Mr. Kulakov: fix "test.error" file problem, release the Web-SynDic system code, prepare to publication.

Mr. Salo: perform global inspection of the User Manual document.

### 5. End

Mr. Korzun ended the meeting at 16:40.

## 22 Meeting 2004-11-11

Web-SynDic project

MEETING MINUTES  
November 11th, 2004

Meeting

November 11th, 2004, at 15:30.

Room 431

Petrozavodsk State University  
 Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
 Kirill Kulakov, manager  
 Mikhail Kryshen, secretary  
 Andrey Ananin  
 Andrew Salo

#### Absent

No one was absent.

#### 1. Start

Mr. Korzun started the meeting at 15:30.

#### 2. Assessment of the situation

Last document corrections, preparing to publication.

#### 3. Discussion

##### \* Frozing the code

The group discussed the system versioning. It was decided to call the version produced at the first project iteration (March, 2004) "alpha", the published version will be numbered "1.0".

##### \* Documents inspection

The User manual document was inspected by Mr. Salo and the Metrics document was inspected by Mr. Kryshen. Inspectors will made corrections, then authors will check their sections.

##### \* Publication

Current versions of the system and web-site are deployed. The final publication (deployment) will be performed when the operating system on server zeta will be updated (to Linux 2.6).

The next meeting is arranged to Monday 15.11 at 16:00.

#### 4. Action points

Mr. Kulakov will fix the document format issue, mark items of the bug list presented in the future development requirements with '\*'.

Mr. Kryshen will default algorithms configuration values and constraints (with Mr. Korzun), add the system version number to the Web-SynDic pages, fix broken links, make corrections to the Metrics document.

Mr. Ananin will fix the "Agree with report" button caption.

Mr. Salo will make corrections to the User manual document.

All developers will check corrections made to their sections of the Metrics and User manual documents.

#### 5. End

Mr. Korzun ended the meeting at 16:30

## 23 Meeting 2004-11-15

Web-SynDic project

MEETING MINUTES  
 November 15th, 2004

#### Meeting

November 15th, 2004, at 16:00.

Room 431  
 Petrozavodsk State University  
 Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
 Kirill Kulakov, manager  
 Mikhail Kryshen

Andrey Ananin, secretary  
Andrew Salo

## Absent

No one was absent.

## 1. Start

Mr. Korzun started the meeting at 16:00.

## 2. Assessment of the situation

Last document corrections, preparing to publication, frozing the Web-SynDic code, customer's remarks, User manual, Website & metrics, final.

## 3. Discussion

## \* Frozing the code

First iteration Web-SynDic version is Alpha version.

Second - Version 1.0rc1.

Project team members pages should be in english.

Move User manual in the Web-SynDic system.

Webserver customer remarks were fixed.

## \* Documents inspection

The User manual document was inspected by Mr. Salo and the Metrics document was inspected by Mr. Kryshen. Inspectors will made corrections, then authors will check their sections.

## \* Project metrics

Main metrics were calculated and Version 2 label should be chaged to Iteration 2.

## \* Publication

Project website will not have public access (Documentation in bad condition).

Current versions of the system and web-site are deployed. The final publication (deployment) will be performed when the operating system on server zeta will be updated (to Linux 2.6).

The next meeting is arranged to Monday 20.11 at 13:10.

## 4. Action points

Mr. Kulakov will check project website, move User manual to the Web-SynDic system, change label 'Version 2' to 'Iteration 2' in the project metrics document.

Mr. Kryshen will add the system version number to the Web-SynDic pages, fix broken links, make corrections to the Metrics document, check structure and contents of the User manual.

Mr. Ananin makes HTML version of the User Manual.

Mr. Salo makes english corrections to the User manual document, check structure and contents of the User manual.

All developers will check corrections made to their sections of the Metrics and User manual documents.

## 5. End

Mr. Korzun ended the meeting at 16:50

## 24 Meeting 2004-11-20

Web-SynDic project  
November 20th, 2004

MEETING MINUTES

## Meeting

November 20th, 2004, at 13:10.



Room 431  
Petrozavodsk State University  
Lenin st. 33, Petrozavodsk

#### Attendance

Dmitry Korzun  
Kirill Kulakov, manager  
Andrey Ananin  
Andrew Salo, secretary  
Mikhail Kryshen

#### Absent

none

#### 1. Start

Mr. Korzun started the meeting at 13:10.

#### 2. Assessment of the situation

User Manual document, publication issues, and release questions should be discussed.

#### 3. Discussion

##### \* User Manual

Mr. Korzun starts discussion about current state of the User Manual document. Mr. Salo reports that the global inspection and modification of the document was finished on Wednesday (2004-11-17). Mr. Kryshen reports on second iteration of the global inspection. He suggests to move Installation & Configuration issues section to a separate INSTALL text file.

##### \* Publication

Mr. Korzun starts discussion about current state of the publication. The publication of the Web-SynDic system should be performed after updating host 'zeta'. The system itself and the web-cite should be protected with passwords. After finishing the publication the customer should be notified.

#### \* Final issues

Mr. Kulakov continues to control the publication. The rest of the team finishes working on the Project. The code should be released (version 1.0).

#### 4. Action points

All developers: finish working on the Web-SynDic project.

Mr. Kulakov: maintain the publication.

Mr. Salo: transcribe the minutes, update the Human Resources document.

#### 5. End

Mr. Korzun ended the meeting at 13:25.