VI\_SOFT\_IL

The structure of the program menu and the main data structures (tables) in which the information is placed

1. Home (Report Page 1)

*Graphs showing the overall statistics for the project*

1.1 Project Details

(Report Page 42

Tables: PROJECTS)

1.2 Project Contacts

(Report Page 9

Tables: “CONTACTS”

“USERS”

Form Page 10

Tables: “FORM\_DOCUMENTS”

“ FILE\_TYPES”)

1.3 Designer Companies

(Report Page 52

Tables: “CONTACTS”

“USERS”

“PROJECT\_ROLES”

Form Page 56

Tables: “FORM\_DOCUMENTS”

“ FILE\_TYPES”)

1.4 Contacts Defaults -

*Every user can choose the default for the contacts (for every role) that will be chosen in checklist*

(Report Page 93

Tables: “CONTACT\_DEFAULTS”

“PROJECT\_ROLES”

“PROJECTS”

“CONTACTS”

Form Page 94

Tables: “CONTACTS”)

1.5 Checklist list Confirmation Tracking

(Report page 90

Tables: “CHECKLIST\_GENERIC”

“PROJECT\_TREE”)

1. Administration (Report Page 2)

*Visible only for Global Admin*

2.1 Users

*Create or edit a user*

(Report Page 2

Tables: “USERS”

Form Page 3)

2.2 User Permissions

*Add or remove permission for user*

(Report Page 5

Tables: “PROJECTS”

“USERS”

“APPLICATION\_ROLES”

Form Page 6

Tables: “APPLICATION\_ROLES”)

2.3 Project Tasks

*Define the tasks for the project tree*

(Report Page 14

Tables: “PROJECT\_TREE”

“MEASURE\_UNITS”)

2.4 Create New / Change Checklist

*Define/change a checklist structure. It is proposed to add fields for checklist definition or define a work description/lab tests that are needed*

(Report Page 163

Tables: “FORM\_TYPES”

“TYPE\_OF\_WORKS”

“PROJECT\_CHECKLISTS”

“GENERIC\_CHECKLIST\_ITEMS”

“PROJECTS”

“STATUS\_CONFIG”

Form Page 164

Tables: “FORM\_FIELDS”

“CHECKLIST\_ITEMS”

“FORM\_TYPES”

“PROJECT\_ROLES”)

2.5 Project Properties

*All projects and their properties. Also creation of a project, definition of logos*

(Report Page 170

Tables: “PROJECTS”

Form Page 171

Tables: “LABS”

“PROJECT\_LABS”)

2.6 Labs Management

*All labs and email addresses*

(Report Page 28

Tables: “LABS”

Form Page 32)

2.7 Lab Test Codes

*Codes of lab tests and lab test results metrics*

(Report Page 173

Tables: “LAB\_TEST\_CODES”

Form Page 175

Form Page 174

Tables: “LAB\_TEST\_CODES”

“LAB\_TEST\_CODE\_DETAIL\_TYPES”

“LAB\_TEST\_DETAIL\_TYPES”

“PROJECT\_TEST\_CODES\_DETAILED”

“PROJECTS”

“LAB\_TEST\_CODES\_DETAILED”

“LAB\_TEST\_DETAILS\_DETAIL\_TYPES”)

2.8 Summary Reports Management

*Define summary on a project*

(Report Page 194

Tables: “SUMMARY\_REPORTS”

“SUMMARY\_REPORT\_TYPES”

“CUSTOMER\_CONFIG\_TYPES”

“PROJECTS\_SUMMARY\_REPORTS”)

2.9 Structures

*Define all structures to be chosen on checklists*

(Report Page 40

Tables: “STRUCTURES”

Form Page 87)

2.10 Export Project Documentation

(Report Page 31)

2.11 System Logs

1. Lab Results Assigning Log

*This is a log of a process of importing lab test results to a system*

(Report Page 33

Tables: “LAB\_ORDERS\_RESULTS\_ASSIGN\_LOG”

“LAB\_ORDERS”

“LAB\_RESULTS\_ASSIGN\_STATUSES”

“FILE\_TYPES”

“PROJECTS”

Form Page 34

Tables: “LAB\_RESULTS\_XML\_FILES”)

2.12 Changes Tracking

a. Checklists

*All checklists that executed in the project*

(Report Page 31

Tables: “CHECKLIST\_GENERIC”

“USERS”

“FORM\_TYPES”

“STATUS\_OF\_FORM”

Form Page 161

Tables: “ALL\_DOCS\_LAST\_CERTIFICATED”

“CONTACTS”

“DRAWING\_REVISIONS\_IL”

“DRAWINGS\_IL”

“FILE\_TYPES”

“FORM\_APPROVALS”

“FORM\_CHECKLIST\_ITEMS”

“FORM\_DOCUMENTS”

“FORM\_DRAWINGS\_IL”

“FORM\_TYPES”

“LAB\_ORDERS”

“PROJECT\_ROLES”

“STATUS\_OF\_FORM”

Views: “V\_CHECKLIST\_ITEMS”)

3. Project tree

*Tree page, defines the tree of the project and has links to attached forms*

( Report Page 18

Tables: “PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

“FORMS”

“FORM\_TYPES”

“FORM\_TASKS”

“LAYERING\_WORKS”

Views: “G\_FORM\_TASKS”)

4. Preliminary Control

*Preliminary control forms, used after in other different forms*

4.1 Approval Of Subcontractors

( Report Page 23

Tables: “APPROVAL\_OF\_SUBCONTRACTORS"

“STATUS\_OF\_FORM”

“FORMS”

“USERS”

Form Page 24

Tables: “FILE\_TYPES"

“FORM\_APPROVALS”

“CONTACTS”

“PROJECT\_ROLES”

“FORM\_DOCUMENTS”)

4.2 Approval Of Suppliers

( Report Page 25

Tables: “APPROVAL\_OF\_SUPPLIERS"

“STATUS\_OF\_FORM”

“FORMS”

“USERS”

Form Page 26

Tables: “FORM\_APPROVALS”

“CONTACTS”

“PROJECT\_ROLES”

“FORM\_DOCUMENTS”

“FILE\_TYPES”)

4.3 Preliminary Materials inspection

( Report Page 16

Tables: “APPROVAL\_OF\_MATERIALS"

“USERS”

“APPROVAL\_OF\_SUPPLIERS”

“STATUS\_OF\_FORM”

“FORMS”

Form Page 17

Tables: “MATERIALS\_PRELIMINARY\_INSP”

“FORM\_APPROVALS”

“CONTACTS”

“PROJECT\_ROLES”

“FORM\_DOCUMENTS”

“FILE\_TYPES”)

5. Checklist Forms

*Shows the menu of the checklists*

(Report Page 210

Views: “V\_ABSTRACT\_GENERIC\_TREE”

Form Page 160

Tables: “APPROVAL\_OF\_MATERIALS”

“APPROVAL\_OF\_SUBCONTRACTORS”

“APPROVAL\_OF\_SUPPLIERS”

“CHECKLIST\_GENERIC”

“LAYERS\_CHECKLISTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“STATUS\_OF\_FORM”

“SIDE”

“USERS”

“USER\_PROJECT\_TASKS”)

6. CAR / PAR / OBS

*Used for western project only*

(Report Page 201

Tables: “USER\_PROJECT\_TASKS”

“CPO\_REPORTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“CONTACTS”

“PROJECT\_ROLES”

“USERS”

Form Page 202

Tables: “FORM\_APPROVALS”

“CONTACTS”

“PROJECT\_ROLES”

“FORM\_DOCUMENTS”

“FILE\_TYPES”)

7. NCR

*Add/edit an NCR to a project*

( Report Page 21

Tables: “CONTACTS”

“NCR\_IL”

“PERMISSION\_TASKS”

“PROJECT\_ROLES”

“PROJECT\_TREE”

“SIDE”

“STATUS\_OF\_FORM”

“USER\_PROJECT\_TASKS”

“USERS”

Form Page 22

Tables: “FILE\_TYPES”

“FORM\_DOCUMENTS”

“PROJECT\_ROLES”

“CONTACTS”

“FORM\_APPROVALS”)

8. POC

*Add/edit POC*

(Report Page 45

Tables: “APPROVAL\_OF\_MATERIALS”

“APPROVAL\_OF\_SUBCONTRACTORS”

“CONTACTS”

“POC”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“SIDE”

“STATUS\_OF\_FORM”

“USERS”

“USER\_PROJECT\_TASKS”

Form Page 46

Tables: “CONTACTS”

“FILE\_TYPES”

“FORM\_APPROVALS”

“FORM\_DOCUMENTS”

“PROJECT\_ROLES”)

9. Lab Orders

*Lab orders report, impossible to create, creation only from checklists*

(Report Page 12

Tables: “CHECKLIST\_GENERIC”

“CONTACTS”

“FORM\_CHECKLIST\_ITEMS”

“FORM\_DOCUMENTS”

“FORM\_TYPES”

“FROM LAB\_ORDERS”

“LAB\_ORDERS”

“LABS”

“LAST\_CERTIFICATED\_DOCS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

“USERS”

Form Page 13

Tables: “FILE\_TYPES”

“FORM\_DOCUMENTS”

“FORM\_TEST\_CODES\_DETAILED”

“LAB\_TEST\_CODES”

“LAB\_TEST\_CODES\_DETAILED”

“LAB\_TEST\_DETAILS\_DETAIL\_TYPES”

Views: “V\_LAB\_TEST\_CODES\_RESULTS”)

10. Surveying Orders

*Opened only from checklists, surveying orders here are only for edit and review*

(Report Page 12

Tables: “CHECKLIST\_GENERIC”

“CONTACTS”

“FORM\_CHECKLIST\_ITEMS”

“FORM\_DOCUMENTS”

“FORM\_TYPES”

“FROM LAB\_ORDERS”

“LAB\_ORDERS”

“LABS”

“LAST\_CERTIFICATED\_DOCS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

“USERS”

Form Page 13

Tables: “FILE\_TYPES”

“FORM\_DOCUMENTS”

“FORM\_TEST\_CODES\_DETAILED”

“LAB\_TEST\_CODES”

“LAB\_TEST\_CODES\_DETAILED”

“LAB\_TEST\_DETAILS\_DETAIL\_TYPES”

Views: “V\_LAB\_TEST\_CODES\_RESULTS”)

11. RFI

( Report Page 61

Tables: “PERMISSION\_TASKS”

“PROJECT\_TREE”

“RFI\_IL”

“STATUS\_OF\_FORM”

“USER\_PROJECT\_TASKS”

Form Page 62

Tables: “FORM\_DOCUMENTS”

“FILE\_TYPES”)

12. Supervision Reports

( Report Page 63

Tables: “CONTACTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“STATUS\_OF\_FORM”

“SUPERVISION\_REPORTS”

“USER\_PROJECT\_TASKS”

Form Page 64

Tables: “FILE\_TYPES”

“CONTACTS”

“FORM\_APPROVALS”

“PROJECT\_ROLES”

“FORM\_DOCUMENTS”)

13. Surveying

(Report Page 69

Tables: “APPROVAL\_OF\_SUBCONTRACTORS”

“AS\_MADE”

“FORM\_DOCUMENTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

Form Page 70

Tables: “FORM\_DOCUMENTS”)

14. Quality Plans & Procedures

(Report Page 71

Tables: “STATUS\_OF\_FORM”

“ITP\_IL”

“USER\_PROJECT\_TASKS”

“FORM\_TASKS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

Form Page 72

Tables: “FORM\_DOCUMENTS”)

15. Construction Documents

(Report Page 79

Tables: “CONSTRUCTION\_DOCUMENTS”

“FILE\_TYPES”

“FORM\_DOCUMENTS”

“FORM\_TASKS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USERS”

“USER\_PROJECT\_TASKS”

Form Page 80

Tables: “FORM\_DOCUMENTS”)

16. QC Audits

(Report Page 75

Tables: “CONTACTS”

“FORM\_DOCUMENTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“QC\_AUDITS”

“USER\_PROJECT\_TASKS”

Form Page 76

Tables: “FORM\_DOCUMENTS”)

17. Meeting Summary

(Report Page 73

Tables: “USER\_PROJECT\_TASKS”

“MEETING\_SUMMARY”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“FORM\_DOCUMENTS”

Form Page 74

Tables: “FORM\_DOCUMENTS”)

18. Monthly Reports

(Report Page 77

Tables: “MONTHLY\_REPORTS”

“PROJECT\_TREE”

Form Page 78

Tables: “FORM\_DOCUMENTS”)

19. Drawings

19.1 Drawings

*New drawings are created*

( Report Page 81

Tables: “CONTACTS”

“DISCIPLINES”

“DRAWING\_REVISIONS\_IL”

“DRAWINGS\_IL”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

Form Page 82

Tables: “FORM\_DOCUMENTS”)

19.2 Drawings Revisions

*Revisions are updates/created*

( Report Page 120

Tables: “DRAWING\_REVISIONS\_IL”

“DRAWINGS\_IL”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

“USERS”

Form Page 121

Tables: “FORM\_DOCUMENTS”)

19.3 Drawings Masters

( Report Page 150

Tables: “DRAWINGS\_FILES\_IL”

“FORM\_DOCUMENTS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

Form Page 151

Tables: “FORM\_DOCUMENTS”)

20. Additional Documents

(Report Page 83)

20.1 Monitoring Documents

(Report Page 116

Tables: “ADDITIONAL\_DOCS”

“CONTACTS”

“FORM\_TASKS”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.2 Traffic Safety Reports

(Report Page 108

Tables: “CONTACTS”

“USER\_PROJECT\_TASKS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”   
 Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.3 Environmental Reports

(Report Page 113

Tables: “CONTACTS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.4 Training

(Report Page 111

Tables: “CONTACTS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.5 Qualification Of Staff

(Report Page 112

Tables: “CONTACTS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.6 Work Progress Reports

(Report Page 114

Tables: “CONTACTS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

20.7 Subcontractor QC

(Report Page 115

Tables: “CONTACTS”

“PROJECT\_TREE”

“PERMISSION\_TASKS”

“FORM\_TASKS”

“ADDITIONAL\_DOCS”

“USER\_PROJECT\_TASKS”

Form Page 84

Tables: “FORM\_DOCUMENTS”)

21. Reports

21.1 Preliminary Control Summary

(Report Page 192

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.2 POC Summary

(Report Page 191

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.3 NCR Summary

(Report Page 186

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.4 SSR Summary

(Report Page 57

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.5 RFI Summary

(Report Page 450

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.6 Lab Orders Summary

(Report Page 59

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

21.7 Drawings Summary

(Report Page 88)

21.8 Other Summary

(Report Page 193

Tables: “PROJECTS”

“PROJECTS\_SUMMARY\_REPORTS”

“SUMMARY\_REPORTS”)

22. Layering Works

(Report Page 180

Tables: “LAYERING\_WORKS”

“NAME\_OF\_ROAD”

“PERMISSION\_TASKS”

“PROJECT\_TREE”

“SIDE”

“USER\_PROJECT\_TASKS”

“USERS”

Form Page 181

Tables: “FORM\_LAYER”

“LAYER\_MATERIAL”

“LAYERING\_WORKS”

“LAYERS\_CHECKLISTS”

“LAYERS\_SECTIONS”)

23. Password Settings

(Report Page 38

Tables: “USERS”

Form Page 3

Tables: “USER\_PROJECT\_APP\_ROLES”)

23.1 Change User Password/Settings

(Report Page 38)

23.2 Change Secret Code

(Report Page 58)