

Testing Plan for

The State of Indiana Case Management and Labor Exchange System Project

November 3, 2022



SIGNATURE PAGE

Approver Name	Role	Signature	Date

CHANGE HISTORY

Version Number	Date	Contributor	Approved by	Approved Date	Description

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Table of Contents

INTRODUCTION.....	1
1 TESTING APPROACH AND METHODOLOGY.....	2
2 TEST PLAN AND QUALITY ASSURANCE PLANNING.....	2
3 QUALITY ASSURANCE PLANNING	3
4 QUALITY ASSURANCE MANAGEMENT AND TEST PLAN	3
5 TEST ENVIRONMENTS	5
6 TEST SCRIPTS	6
7 AUTOMATED TESTING	7
8 DEFECT TRACKING	8
9 QUALITY ASSURANCE TEAM AND ROLES AND RESPONSIBILITIES	9
10 TEST DOCUMENTATION.....	12
11 TEST RESULTS AND QUALITY VARIANCE CONTROL	12
11.1 Walkthroughs.....	13
11.2 Reviews.....	13
11.3 Audits.....	14
11.4 Evaluation Process.....	16
11.5 Process Improvement	16
12 SCOPE	16

13	QUALITY OBJECTIVES	17
13.1	Primary Objective	17
13.2	Secondary Objective	17
14	RISKS/ASSUMPTIONS FOR TEST EXECUTION	18
15	CONSTRAINTS FOR TEST EXECUTION	18
16	DEFINITIONS	18
17	TEST METHODOLOGY	19
17.1	Purpose	19
17.2	Configuration Testing.....	20
17.3	Unit Testing (Multiple).....	20
17.4	Iteration/Regression Testing.....	20
17.5	Functional Testing	21
17.6	Interface Testing.....	21
17.7	Conversion Testing	22
17.7.1	Sample Data Conversion Testing Spreadsheets	22
17.7.2	Conversion Test Template - As Individual	22
17.7.3	Conversion Test Template Staff and Employer	26
17.8	Automation Testing	38
17.8.1	Sample Automated Testing Scripts.....	38
17.9	End-to-End Regression Testing.....	55
17.10	Pre- Go-Live Testing.....	55
17.11	Go-Live Testing	56
17.12	Incident Testing	56
17.13	Change Order Testing	57
17.14	Requirements Testing.....	60
17.15	State-Specific Business Rules Testing	60
17.16	Final Release Testing	60
17.17	Testing Completeness Criteria.....	60

18	TEST LEVELS	61
18.1	Build Tests	61
18.1.1	Level 1 - Build Acceptance Tests.....	61
18.1.2	Level 2 - Smoke Tests	61
18.1.3	Level 3 - Critical Path Tests.....	61
18.2	Release Tests	62
18.2.1	Level 4 - Standard Tests.....	62
18.2.2	Level 5 - Suggested Test	62
19	ISSUE TRIAGE.....	62
20	SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS.....	63
21	TEST COMPLETENESS	63
21.1	Standard Conditions	63
21.2	Issue Reporting & Triage Conditions.....	63
21.3	Post-Mortem Review	64
21.4	Test Case Coverage Detail	65
22	DEFECT TRACKING & DEBUGGING	71
22.1	Testing Workflow	71
22.2	Test Final Report - Sign Off	71
23	TESTING TOOLS	72
23.1	Tracking Tools.....	72
23.2	Internal (Test) and Production Environments	72
23.3	Performance and Automation Testing Tools.....	72
24	TEST ENVIRONMENT.....	72
24.1	Hardware and Software Minimum Requirements.....	72
24.2	Client Workstations (Third-Party Software).....	74

Testing Plan

Provide an example of a Testing Plan that allows for adequate and thorough testing that will produce evidence that the system is configured to meet all DWD requirements. This evidence must be in a form that is reviewable by DWD resources to verify the result of the Testing. The testing plan must include at a minimum:

A. Overall Testing Strategy

B. System and Integration Testing

C. User Acceptance Testing

D. Regression Testing

E. Testing Schedule

F. Risks/Assumptions

G. Tools

H. Resources/Roles & Responsibilities

Geographic Solutions fully meets this requirement. See the following Testing Plan for details.

Introduction

At Geographic Solutions, Quality Assurance (QA) is the process of ensuring that our software and products satisfy the established requirements for quality. The following subsections describe the proposed quality assurance management and testing approach that our team will use for the Case Management and Labor Exchange Project.

The quality of our products is of the utmost importance to Geographic Solutions and its employees. We ensure that all deliverables pass through a rigorous quality assurance process. Under the Geographic Solutions Rapid Implementation and Development (GRID) methodology, testing takes place at many points within the project lifecycle. This involves the testing of the software against the specifications to determine that it conforms to the stated requirements. The full testing process is a series of tests at each level. The goal is to validate that the software configuration conforms to specified requirements.

3 Quality Assurance Planning

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4 Quality Assurance Management and Test Plan

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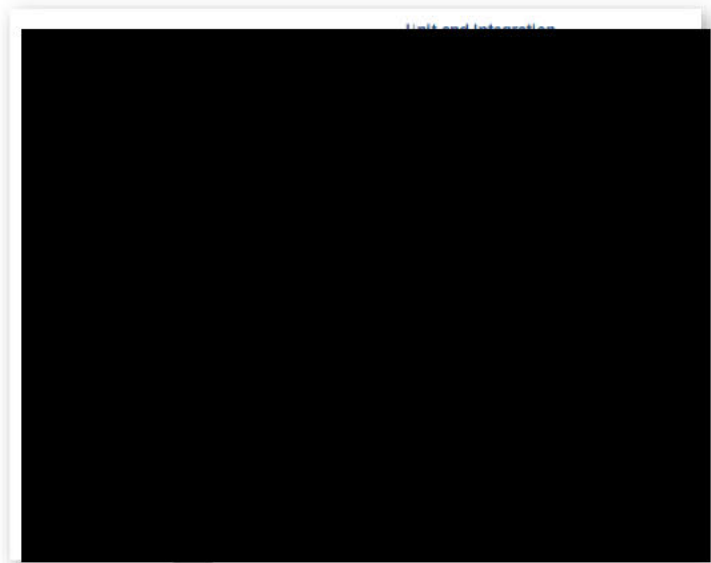
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5 Test Environments

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7 Automated Testing

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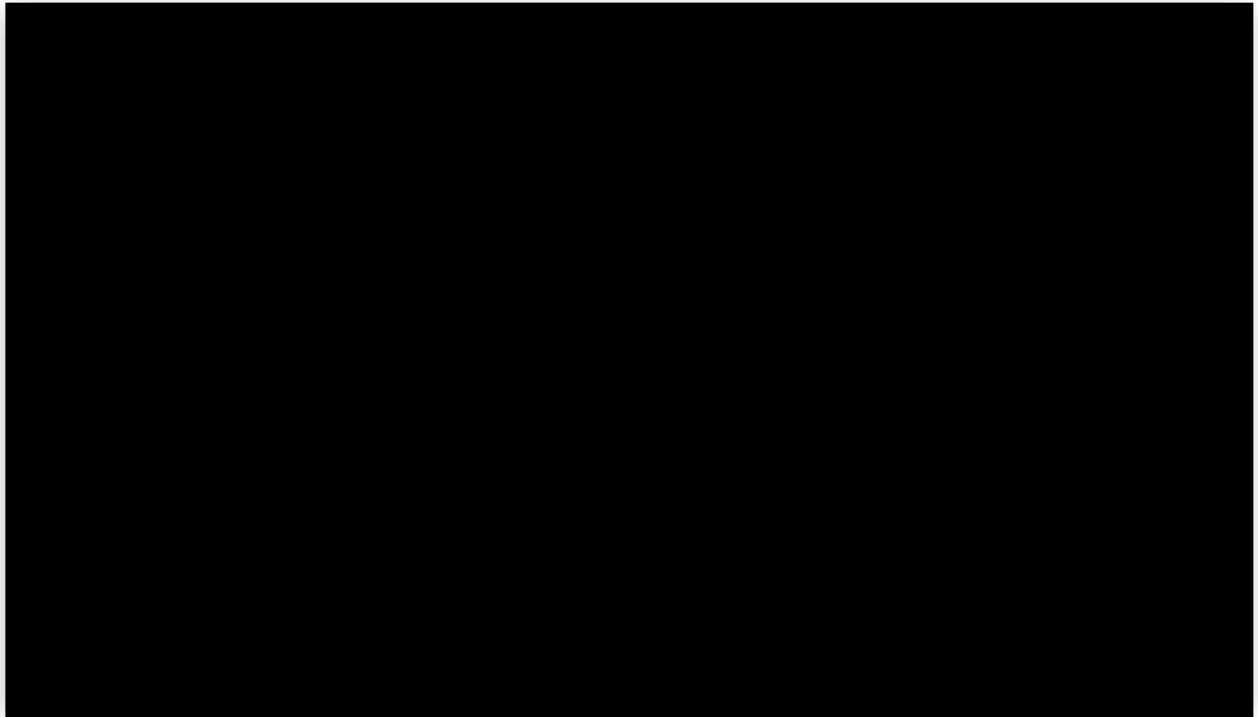
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8 Defect Tracking

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9 Quality Assurance Team and Roles and Responsibilities

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10 Test Documentation

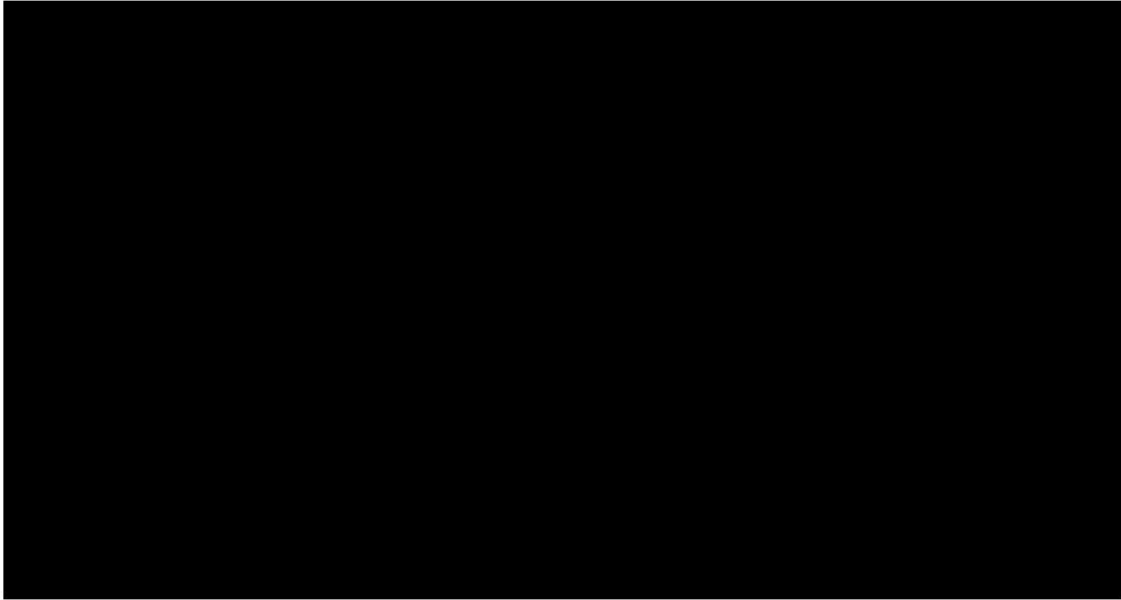
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11 Test Results and Quality Variance Control

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11.1 Walkthroughs

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11.2 Reviews

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11.3 Audits

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11.4 Evaluation Process

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11.5 Process Improvement

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12 Scope

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13 Quality Objectives

13.1 Primary Objective

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13.2 Secondary Objective

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14 Risks/Assumptions for Test Execution

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15 Constraints for Test Execution

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16 Definitions

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17 Test Methodology

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17.2 Configuration Testing

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17.3 Unit Testing (Multiple)

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17.4 Iteration/Regression Testing

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17.5 Functional Testing

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17.6 Interface Testing

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17.7 Conversion Testing

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17.7.1 Sample Data Conversion Testing Spreadsheets

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17.7.2 Conversion Test Template - Assist Individual

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[REDACTED]	[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]		

姓名	性别	出生日期	身份证号	手机号
张三	男	1990-01-01	110101199001010001	13800138000
李四	女	1985-02-02	110102198502020002	13900139000
王五	男	1992-03-03	110103199203030003	13700137000
赵六	女	1988-04-04	110104198804040004	13600136000
孙七	男	1995-05-05	110105199505050005	13500135000
周八	女	1991-06-06	110106199106060006	13400134000
吴九	男	1987-07-07	110107198707070007	13300133000
郑十	女	1993-08-08	110108199308080008	13200132000
冯十一	男	1989-09-09	110109198909090009	13100131000
陈十二	女	1994-10-10	110110199410100010	13000130000
林十三	男	1990-11-11	110111199011110011	12900129000
黄十四	女	1986-12-12	110112198612120012	12800128000
徐十五	男	1992-01-13	110113199201130013	12700127000
马十六	女	1988-02-14	110114198802140014	12600126000
朱十七	男	1995-03-15	110115199503150015	12500125000
李十八	女	1991-04-16	110116199104160016	12400124000
王十九	男	1987-05-17	110117198705170017	12300123000
张二十	女	1993-06-18	110118199306180018	12200122000
孙二十一	男	1989-07-19	110119198907190019	12100121000
周二十二	女	1994-08-20	110120199408200020	12000120000
吴二十三	男	1990-09-21	110121199009210021	11900119000
郑二十四	女	1986-10-22	110122198610220022	11800118000
冯二十五	男	1992-11-23	110123199211230023	11700117000
陈二十六	女	1988-12-24	110124198812240024	11600116000
林二十七	男	1995-01-25	110125199501250025	11500115000
黄二十八	女	1991-02-26	110126199102260026	11400114000
徐二十九	男	1987-03-27	110127198703270027	11300113000
马三十	女	1993-04-28	110128199304280028	11200112000
朱三十一	男	1989-05-29	110129198905290029	11100111000
李三十二	女	1994-06-30	110130199406300030	11000110000

姓名	性别	出生日期	身份证号	手机号
张三	男	1990-01-01	110101199001010001	13910001234
李四	女	1985-05-15	110102198505150002	13910005678
王五	男	1992-03-10	110103199203100003	13910009012
赵六	女	1988-07-20	110104198807200004	13910003456
孙七	男	1995-09-05	110105199509050005	13910007890
周八	女	1991-11-18	110106199111180006	13910002345
吴九	男	1987-02-28	110107198702280007	13910006789
郑十	女	1993-06-12	110108199306120008	13910000123
冯十一	男	1989-08-25	110109198908250009	13910004567
陈十二	女	1994-10-08	110110199410080010	13910008901
林十三	男	1986-04-17	110111198604170011	13910002345
黄十四	女	1996-12-03	110112199612030012	13910006789
周十五	男	1990-07-22	110113199007220013	13910000123
吴十六	女	1988-01-30	110114198801300014	13910004567
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陈十九	男	1994-03-09	110117199403090017	13910006789
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黄二十一	男	1995-06-11	110119199506110019	13910004567
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陈二十六	女	1994-04-29	110124199404290024	13910004567
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黄二十八	女	1996-01-27	110126199601270026	13910002345
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17.7.3 Conversion Test Template Staff and Employer

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17.8 Automation Testing

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17.8.1 Sample Automated Testing Scripts

17.8.1.1 Individual Site Map (Sample Test Script)

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17.8.1.3 Administrative Services (Sample Test Script)

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17.9 End-to-End Regression Testing

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17.10 Pre-Go-Live Testing

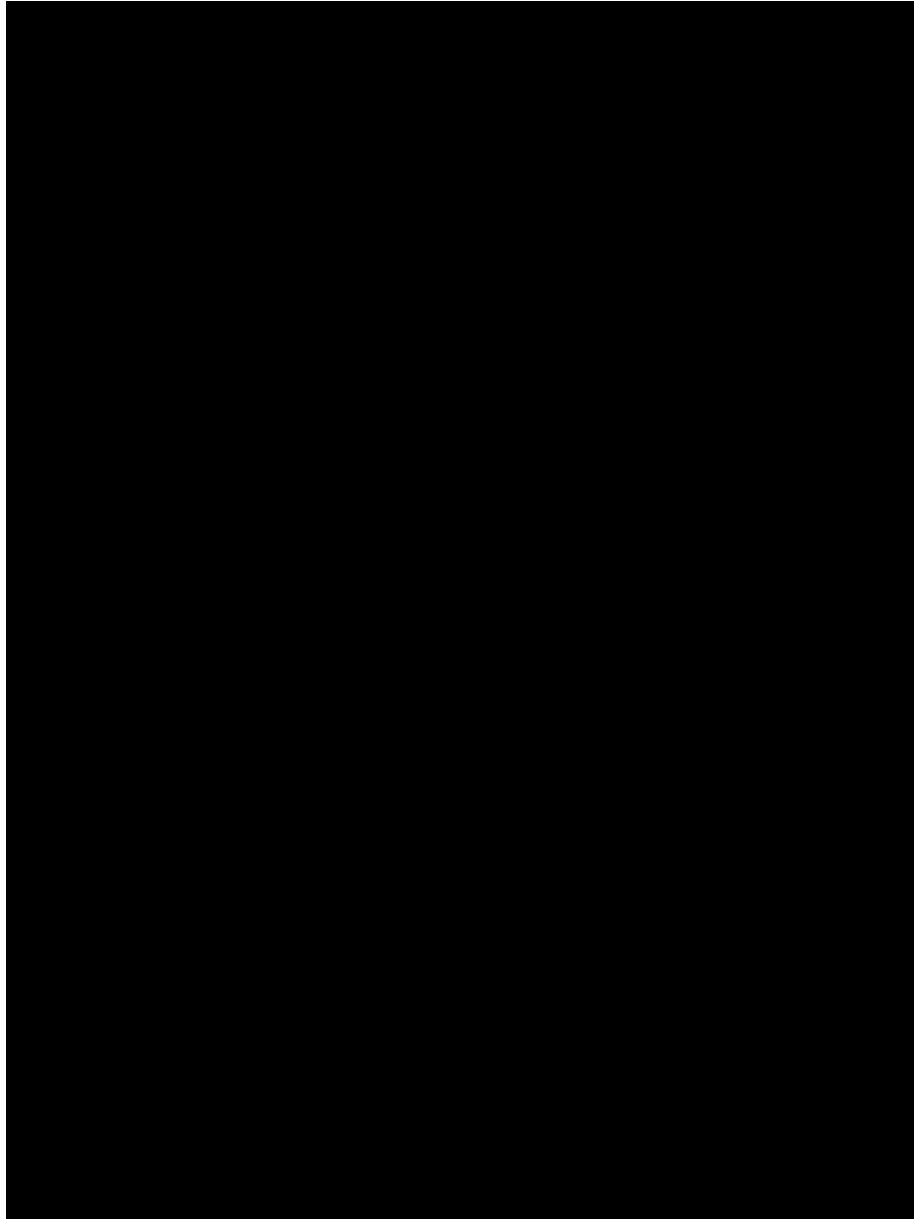
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17.11 Go-Live Testing

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17.12 Incident Testing

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17.13 Change Order Testing

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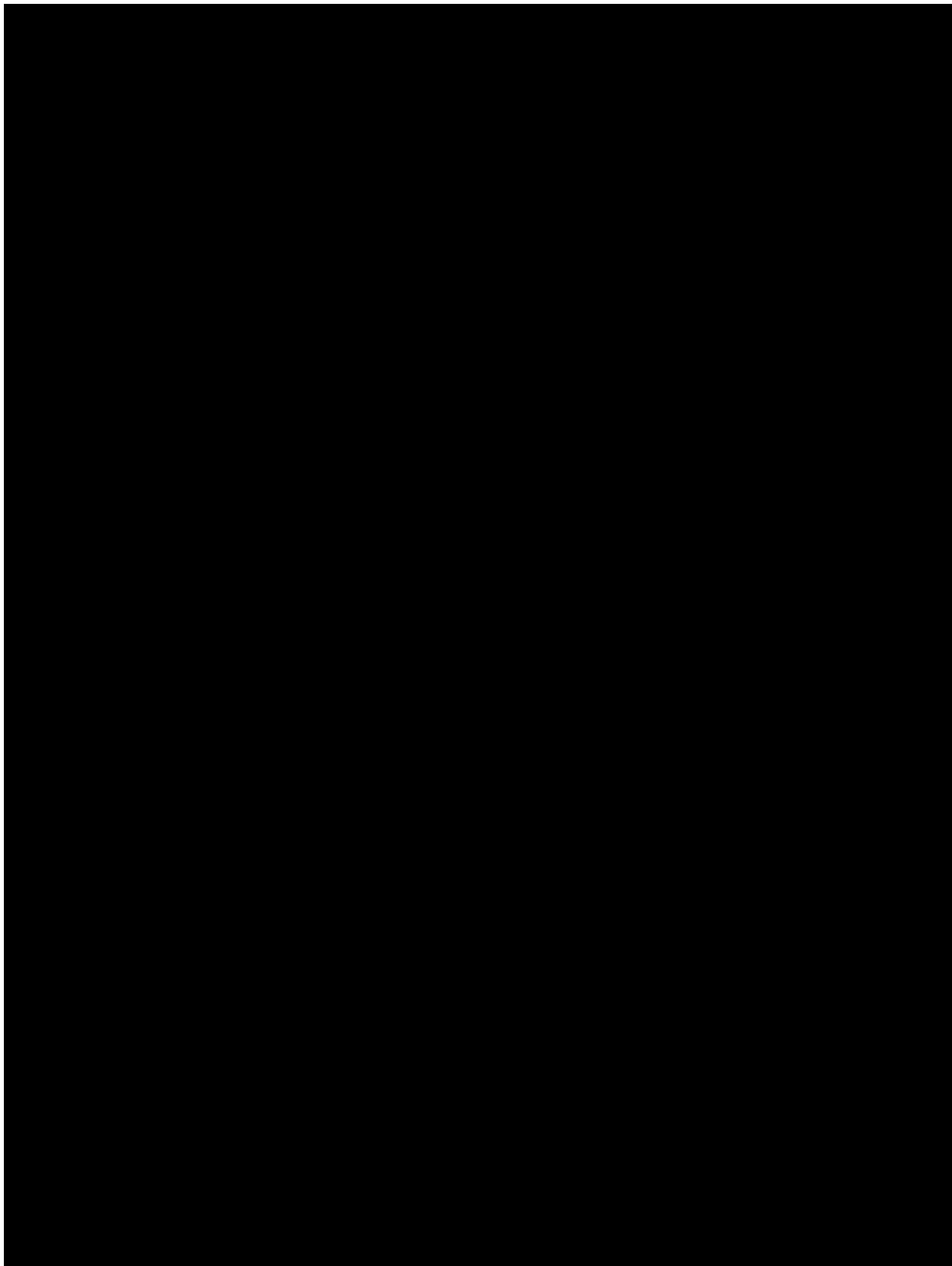
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17.14 Requirements Testing

[REDACTED]

17.15 State-Specific Business Rules Testing

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17.16 Final Release Testing

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17.17 Testing Completeness Criteria

[REDACTED]

[REDACTED]

18 Test Levels

[REDACTED]

18.1 Build Tests

[REDACTED]

18.1.1 Level 1 - Build Acceptance Tests

[REDACTED]

18.1.2 Level 2 - Smoke Tests

[REDACTED]

18.1.3 Level 3 - Critical Path Tests

18.2 Release Tests

[REDACTED]

18.2.1 Level 4 - Standard Tests

[REDACTED]

18.2.2 Level 5 - Suggested Test

[REDACTED]

19 Issue Triage

[REDACTED]

20 Suspension Criteria and Resumption Requirements

[REDACTED]

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21 Test Completeness

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21.1 Standard Conditions

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21.2 Issue Reporting & Triage Conditions

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21.3 Post-Mortem Review

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23 Testing Tools

23.1 Tracking Tools

[REDACTED]

23.2 Internal (Test) and Production Environments

[REDACTED]

23.3 Performance and Automation Testing Tools

[REDACTED]

- [REDACTED]
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24 Test Environment

24.1 Hardware and Software Minimum Requirements

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