

Australian Federal Government - Online Voting System

DRAFT SLIDES FOR BALLOT MODULE HIGH LEVEL DESIGN

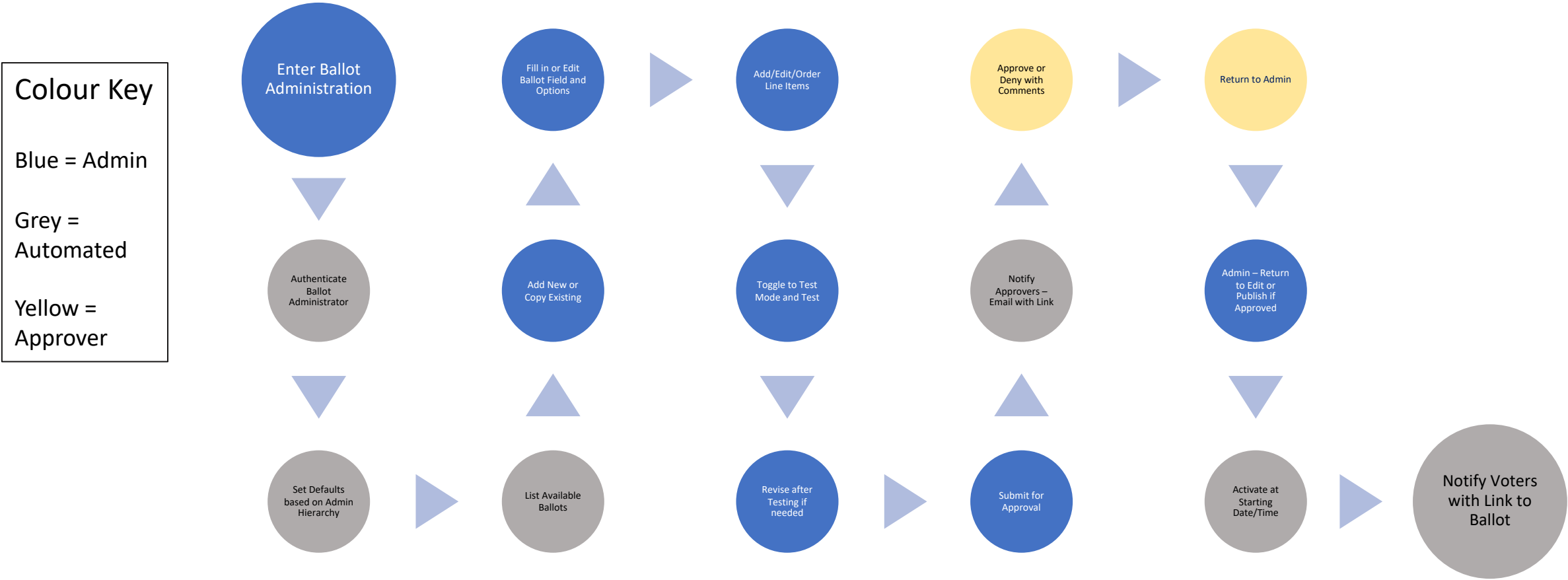
Agenda and Assignments

- Proposed Meeting Agenda
 - Review Functional Design (slide already done)
 - High Level Design – Security (Lisa Chen)
 - High Level Design – Voter Maintenance (Phil Kurinsky)
 - High Level Design – Ballot Administration – (You)
 - High Level Design – Voter Portal (Sandeep Rao)
 - High Level Design – Administrator Tools and Reporting (Phil and Lisa)
 - Next Steps (Reginald)
- High Level Design Instructions
 - 2-3 slides per topic area
 - Functional Scope Graphic
 - Process Flow or System Integration map to external systems (if Applicable)
 - High Level Data Schema (if applicable)
 - UI Standards Definition and Screen Mockups (Voter Portal Only)

Ballot High Level Modular Design

Ballot Admin Authentication	Ballot Header Maintenance	Line Item Maintenance	Workflow Approval and Publishing	Admin Function and Tools
<ul style="list-style-type: none">• Authenticate• Enforce Access Hierarchy• Show Eligible Ballots• Allow Add• Allow Modify if not published	<ul style="list-style-type: none">• List Select• Add by Ballot Type• Audit Trail• Copy Existing• Cross Field/Line Item Validation• Flags and Rule Triggers• Ballot Test Harness• Track Add and Last Update	<ul style="list-style-type: none">• List View• Add line item by widget Type• Yes/No/Abstain Widget• Multiple Choice Widget(s)• Order/Reorder Line Items• Validation Rules• Line Item Test Harness• Track add and Last Updates	<ul style="list-style-type: none">• Email Notifications• Route to Next Approver• Deny with Comments and route to author• Approve and Forward• Publish and Freeze Updates	<ul style="list-style-type: none">• Admin Group Permissions• Ballot Types• Approval Workflow Setup• Audit Trail• Admin Roles Mapping• Hierarchy Maintenance• Reporting

High Level Process Flow – Add New Ballot



Draft Data Schema

Ballot Header	Ballot Line Item	Workflow	Audit Trail	Valid Codes Tables Required (Shared)
Ballot ID Ballot Title Ballot Tag Ballot Type Instructions Admin Hierarchy Voter Hierarchy Ballot Status Dates/Time Active Approval Workflow Approver List Approval Status Created By Creation date Last Modified By Last Modify Date Publishing Status Publish Date/Time	Ballot ID Line Item Tag Line Item Seq # Line Item Order # Instructions Line Item Type (widget) Line Item text (single or multiple) Selection Type Multiple Choice Answer Options (1, 2, N) Required/Optional Flag Created By/Date Last Update By/Date	Ballot ID Ballot Title Notification Type Instructions Workflow Name Approver List Current Approver Approver Status Approver Comments Approver Date/Time	Ballot ID Sequence # Ballot Title Line Item Seq # - (blank if header) Field Changed Original Option/Text New Option/Text Date Changed Changed By	Ballot Administrators Ballot Types Valid Hierarchies (admin and voter) Ballot Types Ballot Status Line Item, Types Approval Status Workflow Editor Notification Text Editor