



CA-EDRS Development Team

M.Rodrian, L. Portigal, R. Palmieri, A. Coldwell, J. Avila, G. Gobar, M. Hogarth, S. Reali,
D. Dumitru, K. Kunkel, G. Vaddepalli, N. Latha, E. Ruble, A. Chu



Summary

- Project scope (background)
- Development organization
- System functionality
- Timeline
- Current status



Background

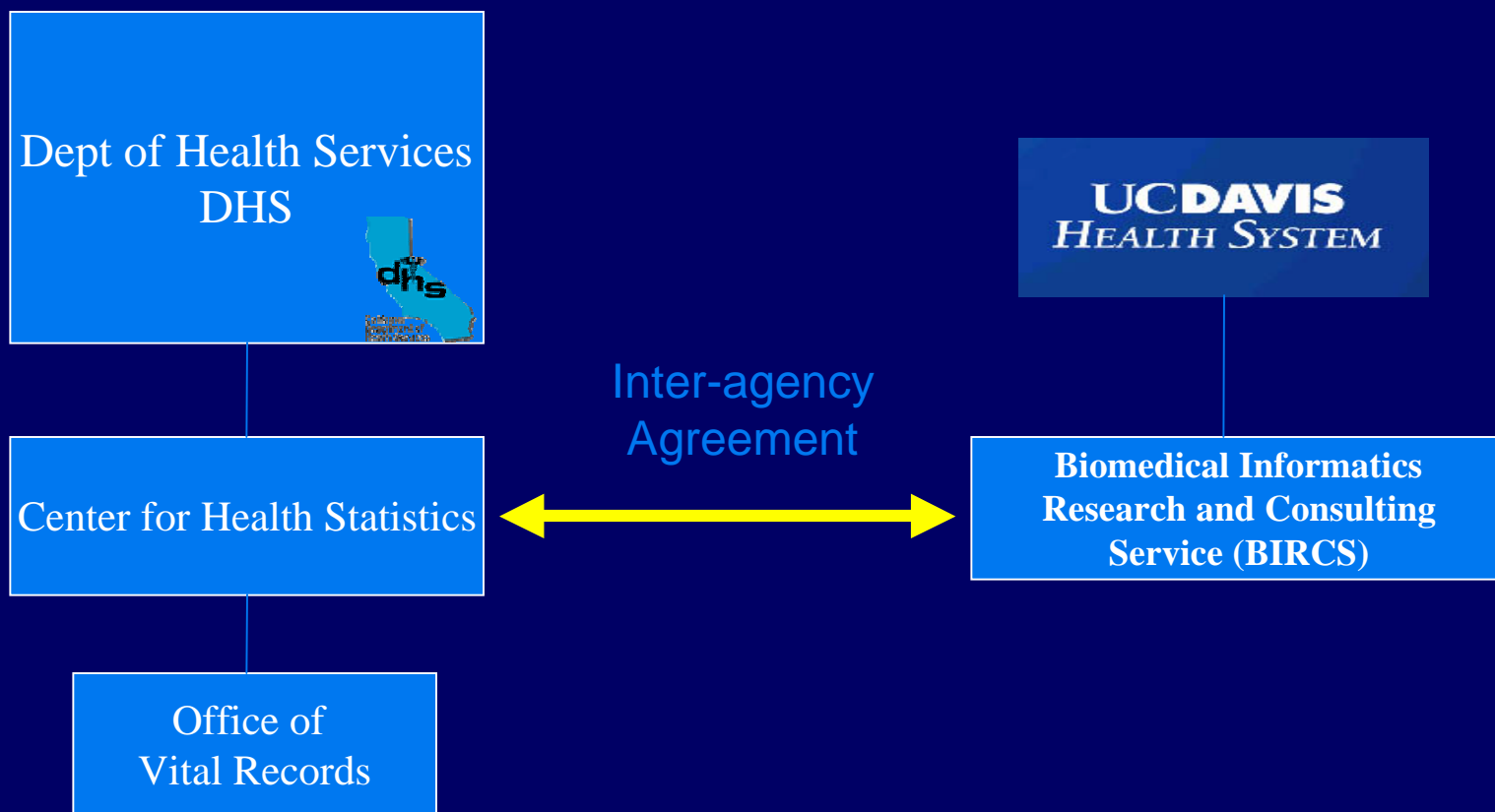
- California AB2550 (2002) mandated an electronic death certification system be developed by DHS and implemented by January 2005
- The CA-EDRS is currently in development, overseen by a Steering Committee comprised of representatives from DHS, CCLHO, CFDA, Coroner's Assn., and CMA



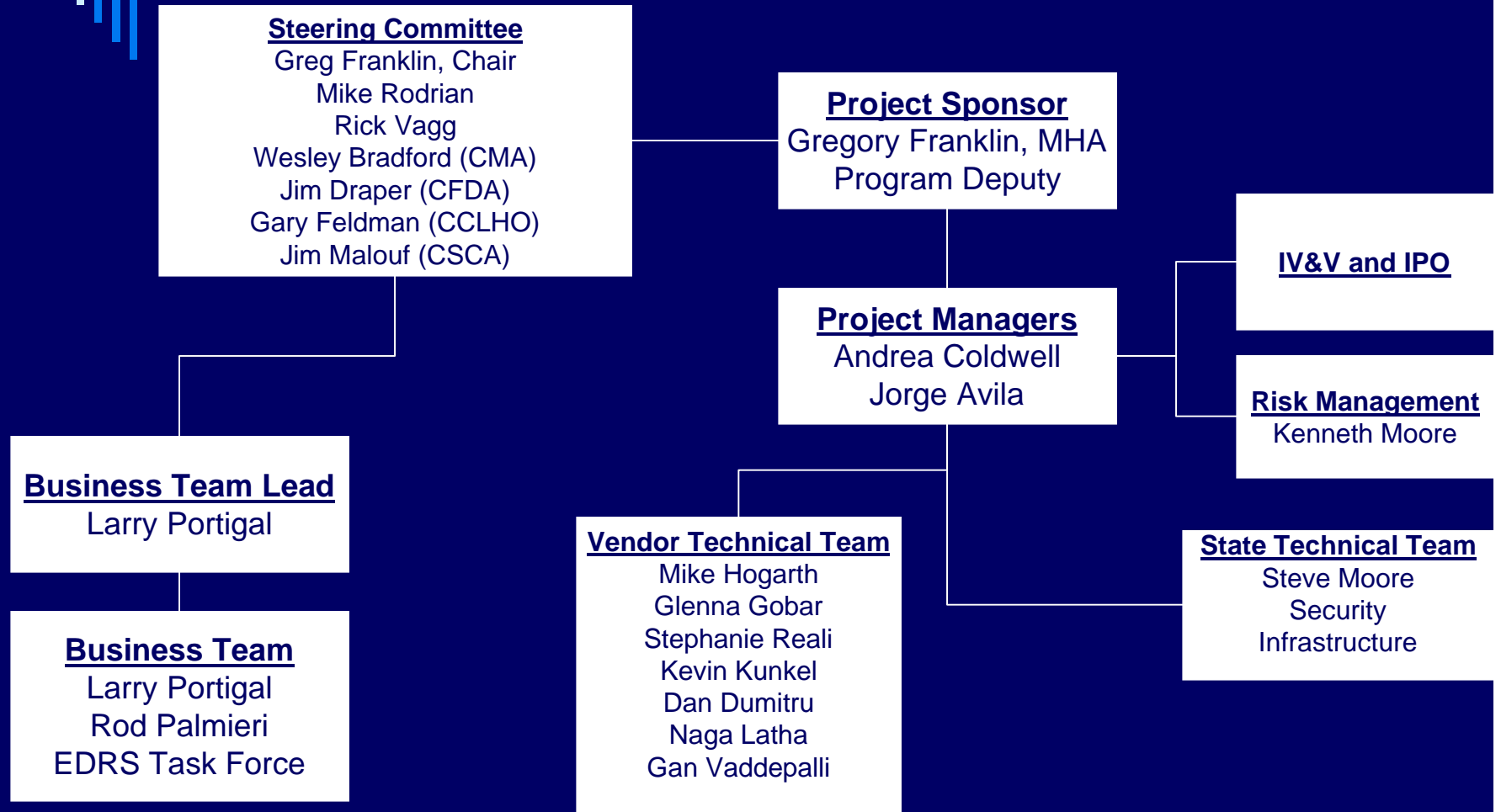
Project Scope

- Develop a Web based, secure electronic death registration system for California
 - n Create a California-specific EDRS design (CA-EDRS)
 - n Design incorporates EDRS Task Force functional requirements document
 - n Design based on the NAPHSIS EDR Model (released Jan 2004)
- System users
 - n Local registrars/health officers, funeral directors, coroner/medical examiners, physicians
 - n 750 funeral homes, 61 local registration districts, 58 coroner/medical examiner offices, ~80,000 physicians

An Inter-agency Collaboration



Project Organizational Chart

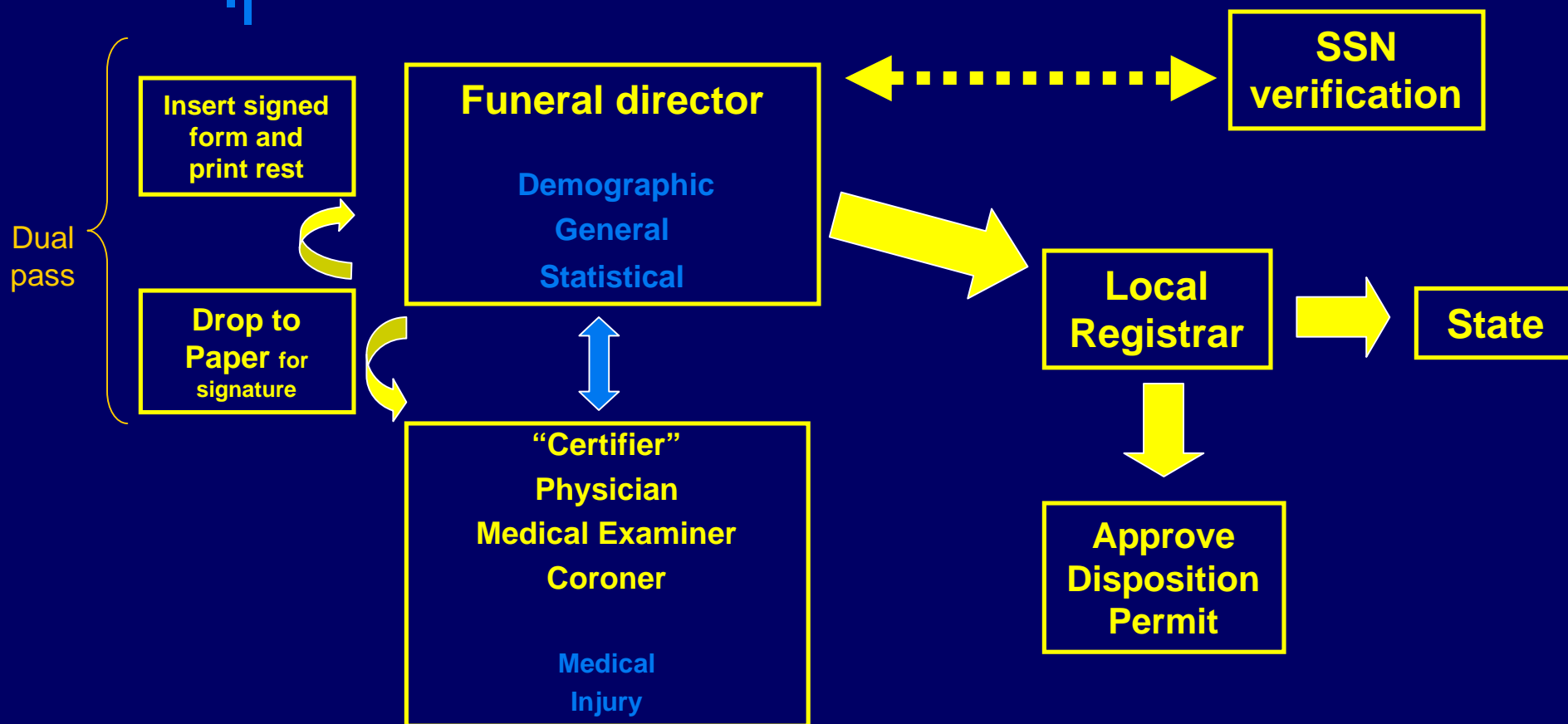




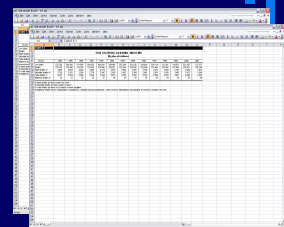
Highlights

- Web-based over secure connection
- Role-specific user front end
- Message center for notification (option to forward to e-mail)
- Ability to render the VS11 form in PDF format dynamically (real time) for printing and pen-based signature
- Electronic signature of death certificates
 - n PIN over secure connection from registered connection
 - p Local registrar, embalmer, physician, Coroner/ME
 - n DHS Approved external digital certificate or voice print system
 - p Physician, Coroner/ME from unregistered connection
- Data Extraction Utility
 - n Allows data extraction into tab- or comma-delimited file for downloading by appropriate individuals (user role determines data access rights)
- Validate the SSN on the certificate using messaging routines supplied by the SSA (implementation under review)

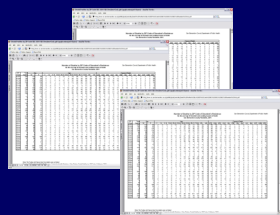
Workflow Overview



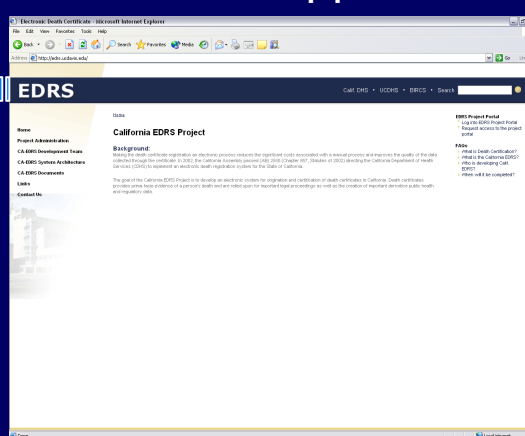
CA-EDRS Application Overview



Data Files



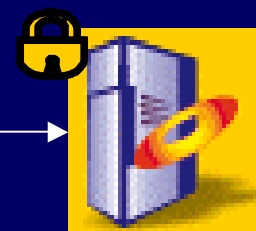
CA-EDRS Application



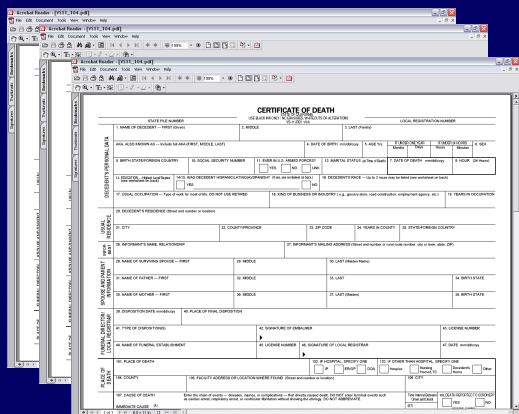
Message Center



Data Utilities



CA-EDRS Databases



Death Certificates



Permits for Disposition

For the 'techies'



- Design
 - n Object oriented design (used by NAPHSIS as well)
 - n Rational Unified Process (RUP)
 - n Model-View-Controller (MVC) design pattern
 - n Open standards (http, https, xml)
- Technology
 - n JSP/Servlets (J2EE framework)
 - n Relational database for data storage
- Open source
 - n Utilizes stable open source components when available
 - n CA-EDRS source code itself will be available under a GNU Public License (GPL)
- Planned UCD hosted system:
 - n Secure facility with redundant T3 connections to the Internet
 - n IBM servers, RedHat Enterprise LINUX
 - n BEA Weblogic Advantage J2EE Server
 - n Oracle 9i RDBMS

Timeline



- Oct 2003 - Project Charter Finalized
- Nov 2003 - UCD-DHS IA signed
- April 2004 - CA-EDRS Design approved
- Dec 2004 - CA-EDRS v1.0 completion
- Jan 2005 - User Expansion, Phase 1
 - 2-3 pilot counties
- June 2005 - User Expansion, Phase 2
 - Rollout to remaining local registration districts over a 12-24 months period

“Construction” Schedule



Where we are now.



Objective(s)	Date Due	Nov 03	Dec 03	Jan 04	Feb 04	Mar 04	Apr 04	May 04	Jun 04	Jul 04	Aug 04	Sep 04	Oct 04	Nov 04	Dec 04	Jan 05	Feb 05	Mar 05	Apr 05	May 05	Jun 05	Jul 05
1 Develop Project Plan	6-Jan-04																					
2 Monthly Status Reports	monthly																					
3 Assist PM - communications plan	6-Jan-04																					
4 Analysis & Review NAPHSIS model	6-Dec-03																					
5 Create California EDRS model	6-Feb-04																					
6 Develop Authentication System	6-Nov-04																					
7 Develop Persistence Engine	6-Nov-04																					
8 Develop Middle Tier Logic	6-Nov-04																					
9 Administrative Tools	6-Nov-04																					
10 Front-end View Component	6-Nov-04																					
11 External System Integration	6-Nov-04																					
12 Testing	monthly																					
13 Host EDRS Bus. Team Meetings	monthly																					
14 Coordinate focus group meetings	monthly																					
15 Provide document repository	6-Dec-03																					
16 Coordinate user group feedback	monthly																					
17 Develop training plan	6-Dec-03																					
18 Complete training with pilot entities	6-Feb-05																					
19 User Base Expansion	monthly																					
Assumptions:																						
contract starts Nov 6, 2003																						
deliverables submitted on time																						
DHS approval within 2-5 days																						

Technical Advisory Groups

RECRUITING NOW!

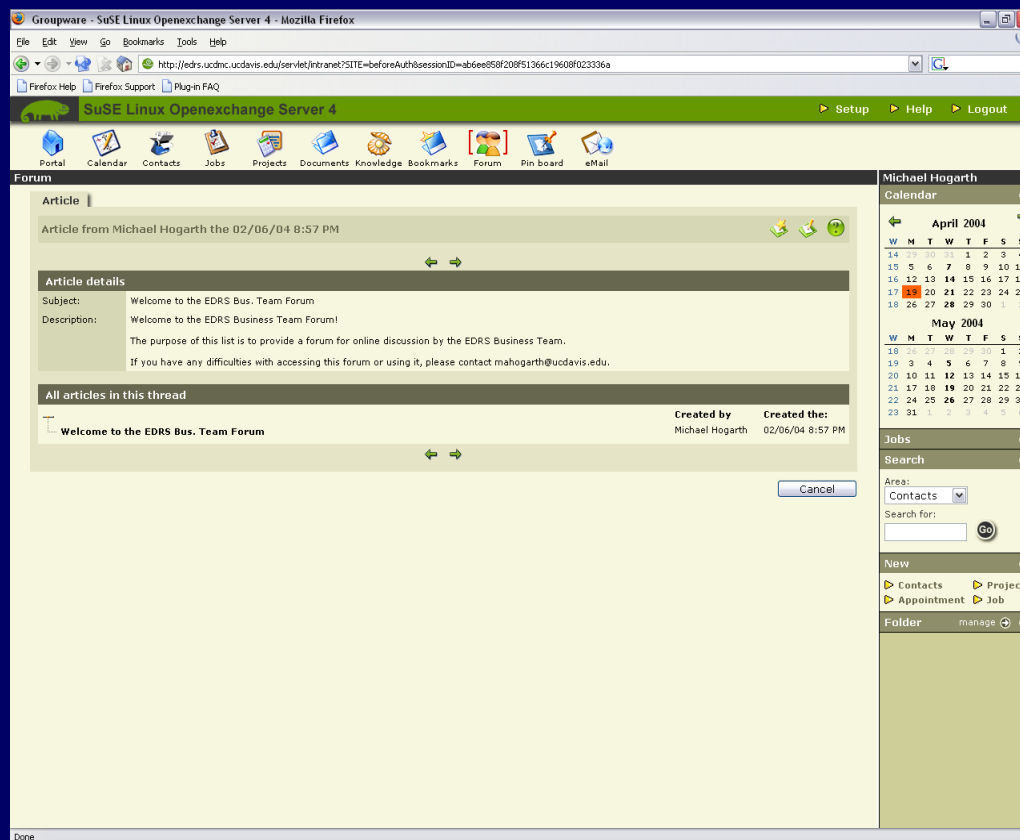
RECRUITING NOW!

RECRUITING NOW!

- Technical Advisory Groups (TAGs)
 - n Input into the design for their particular role based functionality
 - n Meet in a mutually agreeable venue 2-3 times to review design
- Group member
 - n Will have access to early releases (alpha, beta, pre-release, etc.)
 - n Will be asked to provide feedback through:
 - p F2F meetings
 - p Project portal – online web-based user forum
 - p Issue tracking system – web based system



Project Portal



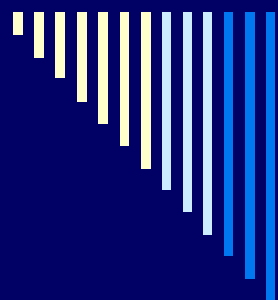
- Web based
- To be made available to Technical Advisory Group members
- Online discussion forum
- EDRS design documents
- Calendar of events
- Contact list

Issue tracking system

The screenshot shows the Atlassian JIRA web interface. The browser title is "Issue Navigator - Atlassian JIRA - Mozilla Firefox". The URL is "http://jira.atlassian.com/secure/IssueNavigator.jspa?reset=true&mode=hide&pid=10240;jsessionid=JEPIMJAKABOE&sorter/order=DESC&sorter/field=priority&resolutionIds=-1&component=10". The page displays a list of 78 issues, with the first 20 shown. The issues are listed in a table with columns for Key, Summary, Assignee, Reporter, Priority, Status, Res, Created, and Updated. The status of all visible issues is "Open" and "UNRESOLVED".

T	Key	Summary	Assignee	Reporter	Pr	Status	Res	Created	Updated
	JIRA-3414	GZIP - when I enable GZIP compression Jira becomes unusable	Unassigned	Primo2 Pristan		Open	UNRESOLVED	17/Mar/04	18/Mar/04
	JIRA-3303	Errors & problems with logging in and security	Unassigned	jason nethercott		Open	UNRESOLVED	24/Mar/04	09/Apr/04
	JIRA-3482	Can't upgrade to 2.6.1 due to auto xml export crash	Unassigned	Kevin Wilson		Open	UNRESOLVED	26/Mar/04	02/Apr/04
	JIRA-3272	Mass sending of e-mails list all recipient e-mail addresses	Unassigned	Thomas Watson Steen		Open	UNRESOLVED	01/Mar/04	10/Mar/04
	JIRA-2877	Error on importing bugs from bugzilla	Unassigned	Alex Falca		Open	UNRESOLVED	10/Oct/03	10/Oct/03
	JIRA-1711	Cascading Drop Down Customized Fields	Unassigned	Brady Guy Chambers		Open	UNRESOLVED	16/May/03	10/Feb/04
	JIRA-3242	Need option to do Keyword index on custom fields.	Unassigned	Owen Fellows		Open	UNRESOLVED	26/Feb/04	08/Mar/04
	JIRA-2818	Should be warned if default assignee is not valid	Unassigned	Owen Fellows		Open	UNRESOLVED	02/Jan/04	02/Jan/04
	JIRA-3583	Reset of filter in user browser	Unassigned	Oliver Müller		Open	UNRESOLVED	16/Apr/04	16/Apr/04
	JIRA-3174	Bulk-associate of users to groups	Unassigned	Max Rydzni Andersen		Open	UNRESOLVED	18/Feb/04	18/Feb/04
	JIRA-2018	permission scheme administration improvements	Unassigned	Kristof Van Cleemput		Open	UNRESOLVED	14/Oct/03	09/Nov/03
	JIRA-2748	Add option to display components/versions in the Browse Project, Open Issues report	Unassigned	Öreg Lappen		Open	UNRESOLVED	24/Nov/03	24/Nov/03
	JIRA-3471	Recover from an initially disconnected database	Unassigned	Jeff Turner		Open	UNRESOLVED	25/Mar/04	25/Mar/04
	JIRA-2622	JIRA patch mechanism	Unassigned	Jeff Turner		Open	UNRESOLVED	09/Nov/03	25/Nov/03
	JIRA-3157	Jira Administration Audit trail / notifications	Unassigned	Nick Minutello		Open	UNRESOLVED	10/Feb/04	11/Mar/04
	JIRA-2207	Rename groups	Unassigned	Arpad P.		Open	UNRESOLVED	20/Aug/03	09/Mar/04
	JIRA-3194	SOAP interface for project and user management	Unassigned	PTJ		Open	UNRESOLVED	20/Feb/04	20/Feb/04
	JIRA-2626	Separate user from project database	Unassigned	Michael Brown		Open	UNRESOLVED	10/Nov/03	17/Nov/03
	JIRA-2743	New permissions item - version maintenance	Unassigned	Mark Demicott		Open	UNRESOLVED	23/Nov/03	23/Nov/03
	JIRA-1558	Assign Multiple Notification Schemes to a Project	Unassigned	SnowWolf Wagner		Open	UNRESOLVED	09/Apr/03	10/Mar/04

- Web based
- To be made available to Technical Advisory Group members
- For reporting problems encountered (bugs)
- Includes e-mail notification, status, assignment, etc..



FAQ

- How do we get more information on CA-EDRS?
 - n <http://edrs.ucdavis.edu>
 - n mrodrian@dhs.ca.gov
 - n lportiga@dhs.ca.gov
- How do we sign up for the CA-EDRS Technical Advisory Group?
 - n Contact the CA-EDRS Project Office at (916) 734-4563 or
 - n e-mail sreali@ucdavis.edu