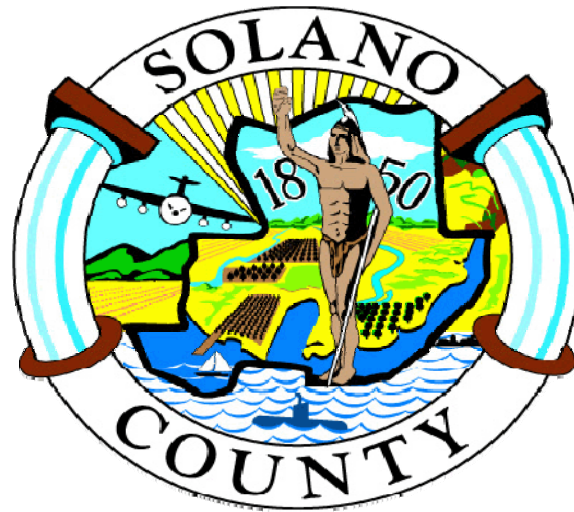


Proposer's Name: _____

RFP No: G099-0922-10

ADDENDUM VI-B

TECHNICAL REQUIREMENTS



Mental Health Electronic Health Record System

Technical Requirements TOC



Solano County
Health & Social Service

Mental Health Electronic Healthcare Record (EHR) System

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Section 2.1 - Application
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Technical Requirements Instructions



TECHNICAL REQUIREMENTS RESPONSE INSTRUCTIONS

The Technical requirements set forth in this Addendum VI B -Technical Requirements Response, for the Solano County Mental Health EHR RFP are contained in a Microsoft Excel workbook and is designed to be a self-scoring matrix. The matrix has been designed to require a single response in the appropriate Response Column How Met or Avail. for every numbered requirement within each respective section. Only one entry per numbered requirement is permitted. Proposer shall not place responses in columns that are shaded or unnumbered, alter, insert rows or add data to the matrix.

Complete and submit information as requested for each and every required Section [i.e., Section I (Application), Section II (Data), Section III (Platform), Section IV (Network), Section V (Security), Section VI (Interfaces)].

IMPORTANT: Proposer must not leave any numbered requirement response column blank within each respective section. Failure to provide a response to any numbered requirement will be deemed “Non-Responsive.” Multiple responses to any numbered requirement will also be deemed “Non-Responsive.” Responses that are deemed “Non-Responsive” will result in a zero (0) point score or may, in County’s sole discretion, result in disqualification or elimination of the proposal.

For each numbered requirement, select one of the following for Response Column "How Met". The definitions for this column are as follows:

* **Standard (Std.)**

Requirement can be met...

- with a feature that exists as part of the system's existing feature set
- through the use of configuration or customization tools that already exist within the system, but without any programming or changes to program code base (e.g. using a built-in tool to build custom local forms, reports or workflows would be acceptable)
- through the use of 3rd party products bundled as part of a typical or standard installation (e.g. a 3rd party report writer)

Note: For all requirements marked as "Standard feature," fill out "Avail." column.

* **Minor Modification (Min.)**

Technical Requirements Instructions



TECHNICAL REQUIREMENTS RESPONSE INSTRUCTIONS

Require LESS THAN 80 hrs of work: Requirement can be met...

- by spending up to 80 hours modifying or extending the proposed solution
- by making changes to the baseline product code, including the use of custom programming
- by incorporating 3rd party products that are not included as part of a standard installation

Note: All costs associated with system modifications, both one-time and on-going maintenance, must be provided as separate line items in the cost proposal. All modifications must be fully supported by the vendor and supported in the system upgrade process.

* **Major Modification (Mjr.)**

Require MORE THAN 80 hrs of work: Requirement can be met...

- by spending over 80 hours modifying or extending the proposed solution
- by making changes to the baseline product code, including the use of custom programming
- by incorporating 3rd party products that are not included as part of a standard installation

Note: All costs associated with system modifications, both one-time and on-going maintenance, must be provided as separate line items in the cost proposal. All modifications must be fully supported by the vendor and supported in the system upgrade process.

* **Not Available (N/A)**

Requirement is not and will not be met by proposed solution

For each numbered requirement to which "How Met" is Std., select one of the following for Response Column "Avail". The definitions for this column are

* **Production (Prod.)**

Feature is installed and currently being used at similar client sites as part of the standard production product.

* **Beta (Beta)**

Feature is installed and being used in at least one client environment (may be running in client test environment) and is scheduled to be incorporated into standard production product by 5/31/11

Technical Requirements Instructions



TECHNICAL REQUIREMENTS RESPONSE INSTRUCTIONS

* **In Development (Devl.)**

In development: feature is being designed or built and is scheduled for general release into standard baseline production product by 5/31/11. Design documents may be requested.

In addition, please provide comments that may better allow the County to evaluate your response:

* **Comments**

Provide any comments or concerns on the requirements in the section. These comments will not be used for evaluation but may be referred to for clarification by the County evaluation team.

Technical Requirements Section 2.1 - Application

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
Req #	Description				
2.1.1	Performance				
2.1.1	The system shall support 200 concurrent users without degradation of overall system performance.	HD			
R2918	The system performance should not degrade during backups.	HD			
2.1.2	Usability/User Interface				
R2899	The system shall allow the use of County-defined hot keys for system navigation and data entry.	HD			
R2900	The system shall support the ability for a user to navigate with keyboard commands within a screen (e.g., tab between fields, select from pick list) as well as use the keyboard for data entry.	HD			
R2906	The system shall allow a user to establish links to outside information sources from within the application (e.g., performing research on best practices, access to on-line County policies), access the link, and return to the point from where the link was	D			
2.2.1	The system shall have a consistent and standard user interface throughout the system.	HD			
R2972	The system shall support the technical standards and performance requirements that ensure compliance with American Disability Act (i.e., Section 508 compliant) for standard workstation and Web-based user interfaces.	HD			
R2973	The system shall allow a user to personalize their workspace for color, font size, and arrangement of system functions.	HD			
R2974	The system shall ensure that a user can navigate from one part of the system to another using a maximum of three user actions (e.g., 3 keystrokes, 3 mouse clicks, 3 touch screens) from any given starting point.	D			
R2976	The system shall present the user with a navigation structure that allows the user to know where they are in the application at all times.	HD			
R2977	The system shall provide a home link on every screen.	HD			
R2978	The system shall provide a logout link on every screen.	HD			
R2980	The system shall provide methods to prevent a user from entering invalid information. (Note: Mechanisms can include pick list, field formatting, and rules on field entry that are triggered by field entry/exit.)	HD			

Technical Requirements Section 2.1 - Application

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R2981	HD			
R2982	HD			
R2984	HD			
R2986	HD			
R2987	HD			
R2988	HD			
R2989	D			
R2990	HD			
R2991	HD			
R2992	HD			
R2993	HD			
R2994	HD			
R2995	HD			
R2996	D			
R2997	D			
R4357	HD			

2.1.3 Workflow Development and Management

Technical Requirements Section 2.1 - Application

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R3012	The system shall provide the capability for a user to design, document, update, maintain, and reuse workflow templates based on County-designated rules.	D		
R3010	The system shall support the automation of business procedures or workflows so tasks are performed and information is passed from one participant to another as governed by pre-defined business rules or procedures.	D		
R3011	The system shall provide guidance as to the various screens required to perform standard procedures. [For example, an admission may require several steps including	HD		
R3013	The system shall provide the capability for a user to create and save a workflow instance from a workflow template by filling in and saving the template with required parameter values and constraints.	D		
R3014	The system shall validate a workflow instance prior to its execution, (i.e., verify whether the user supplied values are of the correct type and within a valid range as defined in the template.)	D		
R3015	The system shall provide the capability for a user to reuse utilizing existing workflow templates and/or workflow instances to create a new workflow template.	D		
R3016	The system shall provide the capability to interface a workflow instance with a user-defined action that requires the use of external applications.	D		
R3017	The system shall provide the capability to interface a workflow instance with an automated system service or process, such as automated outbound faxing of lab orders.	D		
R3018	The system shall provide the capability for a user to initiate a workflow instance on a periodic basis (i.e., scheduled).	D		
R3019	The system shall provide the capability for a user to reassign a work item to another authorized user or role.	HD		
R3020	The system shall permit a user to delegate their approval authority to another authorized user (or multiple users) for a specified period of time (i.e., date range).	HD		
R3021	The system shall provide for electronic signature to indicate authorization or approval in accordance with the needs of a given business process/workflow.	HD		
R3022	The system shall allow an electronic checklist to be associated with a workflow activity as a means for a user to track their completion of workflow activity tasks.	D		

Technical Requirements Section 2.1 - Application

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R3023	D			
R3025	HD			
2.1.4 Alerts, Notifications, and Reminders				
R2999	HD			
R3000	HD			
R3002	HD			
R3003	D			
R3004	D			
R3005	D			
R3006	HD			
R3007	D			
R3008	HD			
R3001	HD			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
Req#	Description				
2.2.1	Database Access				
R2889	The system shall allow authorized users read-only access to the backend database (i.e., production database) outside of the application for data extraction and reporting in standard formats (CSV, Excel, text, Word, PDF) and XML.	HD			
R2890	The system shall provide for an authorized user to access backend data outside of the application to allow operations that require bulk updates to and inserts of new, information.	HD			
2.2.2	Data Governance				
R3037	The system shall provide tools to govern all data contained in the system, including: - Quality controls for data being imported into the system - Audit trails for data either imported/exported from the system (including disposition if known) - Access control over information down to the data element level, if needed - Auditing of all changes to information down the data element, if needed	HD			
R3042	The system shall maintain a history of all reference data, fee schedules, and codes, the date range in which the data was valid, and apply these values according to those date ranges (e.g., date of a transaction, date of service) to calculations, edits, or business rules (i.e., clinical, administrative, or financial) in effect for the time period(s) being evaluated in order to ensure the context in which the original information was obtained.	HD			
2.2.3	Data Management				
R3166	The system shall lock specific parts of a consumer record when being edited by one user against inadvertent changes by other users, but will continue to allow concurrent viewing of the record by users.	HD			
R3171	The system shall support the use of views, either system-defined or user-configured, to merge data from multiple tables into logical groupings for standard queries or reports.	HD			
R3027	The system shall ensure that data entered into the system at any point (i.e., registration) should automatically populate appropriate fields in all other relevant areas to avoid redundant data entry.	HD			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R3028	HD			
R3029	HD			
R3030	HD			
R3031	D			
R3033	HD			
R3038	HD			
R3036	HD			
R3035	HD			
R3034	HD			
R3032	HD			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R3039	HD			
R3040	HD			
R3041	HD			
R3043	HD			
R3044	HD			
R3045	HD			
R3046	HD			
R3047	D			
R3048	HD			
R3049	HD			
R2959	D			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
R3101	The system shall provide tools to de-identify or redact personally identifiable or health information as required by privacy and confidentiality business rules when data is being requested from the production and/or reporting environments.	HD			
R3165	The system shall provide ETL (extract, load, transform) capabilities (e.g., tools) to load data from external sources into the system according to County-defined rules for validation.	D			
R3168	The system shall manage both structured and unstructured information as part of the consumer record, including creation, retrieval, update, reporting, and tracking functions on such data.	D			
R3174	The system shall be able to create separate records from consumer records erroneously merged.	HD			
R3099	The system shall provide the ability to copy portions of the production and/or reporting environment database(s) to other environments based on parameters specified by County.	HD			
2.2.4	Forms Management				
R3058	The system shall allow the creation, documentation, and management of electronic forms.	HD			
R3059	The system shall support templates for all existing County forms to be available for electronic entry.	D			
R3060	The system shall support the modification of existing screens including adding new fields, removing non-core fields, changing the location of fields, control over data entry rules, changes to validation checks, etc.	HD			
R3061	The system shall have the ability to develop custom forms, allowing for creation of user-defined fields, display of data items from existing fields, validation checks on all new and existing fields, and user-defined entry rules (e.g., entry required, warning if no entry, entry not required) on all new and existing fields.	HD			
R3062	The system shall provide the capability for a user to define a list of valid values for a field on an electronic form.	HD			
R3063	The system shall provide the capability for a user to define default values for electronic forms.	HD			
R3064	The system shall provide the capability for an authorized user to define which fields of an electronic form are mandatory and which are optional for a user to complete.	HD			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
R3065	The system shall provide the ability to initiate a workflow process (i.e., create process instance) based on the completion of an electronic form (e.g., provisioning request).	D			
2.2.5 Reports Management					
R2896	The system shall allow a user to save an ad hoc report as a standard report template.	HD			
R3067	The system shall include an integrated report writer that has the capability of reporting on any group of data fields in the entire system; can perform multi-layered sorts and selects; has the ability to utilize wild cards in any data position of a field to select items; has the ability to compute on any field or group of fields.	HD			
R4358	The system shall include an integrated report writer that generates both ad hoc query-type results and formatted reports that can be produced and distributed on an ongoing basis.	HD			
R3068	The system shall support the use of other SQL-compliant third-party report writers, especially Crystal Reports and SQL Reporting Services.	HD			
R3069	The system shall allow a user to schedule the production of a specific report to run on a routine basis at a specified time and frequency.	HD			
R3070	The system shall permit authorized staff to download aggregate data into spreadsheet, database applications, and other business intelligence tools (e.g. Microsoft Excel and Access, etc.).	HD			
R3071	The system shall support a report generation process, tested in the County environment, that ensures default or user-defined parameters can be limited to ensure that reports can be created in a timely manner and that the report processing will not adversely affect system resources.	HD			
R3072	The system shall allow a user to direct a report to a specific location for printing.	HD			
R3073	The system shall provide standard reports as specified by the County, allowing a user to generate a standard report based on default or user-defined parameters.	HD			
R3075	The system shall provide the capability for a user to develop, update, save, and reuse ad-hoc reports.	HD			
R3076	The system shall provide the capability for an authorized user to save a template used to generate ad-hoc reports as a standard report template.	HD			
R3077	The system shall control access to the data used to create a standard or ad-hoc report consistent with user role-based authorization (i.e., whether the user has access to the information based on their role).	HD			

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments	
R3078	HD				
R3079	HD				
R3080	D				
R3081	D				
R3082	D				
R3083	D				
R3084	HD				
R3085	HD				
R3086	HD				
R3074	HD				
R2921	D				
R4124	HD				
2.2.6 Decision Support					
R3093	HD				
2.2.7 Querying					

Technical Requirements

Section 2.2 - Data

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
R3051	The system shall allow a user to query in real-time and in accordance with that user role (i.e., access any combination of user-defined data elements) all data captured by the system.	HD			
R3052	The system shall allow a user to build, document, save, and execute queries on system data according to the user role(s).	HD			
R3053	The system shall enable a user to search for specific words or phrases in either the free and/or structured text sections of a record.	HD			
R3054	The system shall provide the ability to search on any data field, including any fields that are user-defined.	HD			
R3055	The system shall provide methods to assist an unfamiliar user in querying the system, such as keywords, a natural language or graphical interface.	D			
R3056	The system shall, for advanced user, allow the use of SQL (Structured Query Language) as a standard method for requesting information from the system.	HD			

Technical Requirements Section 2.3 - Platform

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comment
Req #	Descripton				
2.3.1 Platform					
R2912	The system shall support a secure portal environment for both consumers and providers.	HD			
R2916	The system shall integrate with County-specified backup software and still maintain high availability and performance	HD			
R2917	The system database should have the ability to synchronize with another SQL Server / Cache database instance.	HD			
R3103	The system shall support the County-designated standard configuration for end-user computing devices (i.e., workstations, laptops, smart phones) and peripherals (i.e., printers, scanner, multi-function devices).	HD			
R3106	The system shall operate on a stable, widely accepted operating system (e.g., Microsoft Windows).	HD			
2.3.2 Processing Environments					
R3096	The system shall provide for complete isolation of each processing environment from all others.	HD			
R3095	The system shall support the following environments: 1) Development, 2) Training environment used to train users, 3) Test environment to support prototyping and testing, including unit testing, system testing, integration testing, user acceptance testing, and regression testing, 4) Staging environment to support pre-migration activities prior to installation of software and/or data in the production environment, 5) Production environment and 6) Reporting environment for standard and ad-hoc reporting, synchronized with the production environment, used to maintain the performance of the production environment,	HD			
R3097	The system shall enforce security controls that are unique to each processing environment.	HD			
R3098	The system shall be configured such that any processing environment, when fully configured and operating, shall not negatively impact the performance of any other processing environment.	HD			
R3100	The system shall keep the data in the reporting environment synchronized with data in the production environment.	HD			

Technical Requirements Section 2.3 - Platform

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comment
R3102	HD			
The system shall include tool as part of the test and staging environments for: Identification and confirmation of design deficiencies and performance issues; Validation of design modifications for updates and fixes; Confirmation of the contents of the release package; and Analysis and resolution of any performance issues.				
2.3.3 System Backup				
R3105	HD			
The system shall integrate with system management and administration tools used by the County including: 1) Backup and recovery of any portion of the system (including copy of the application data, security credentials, and/or log/audit files) or the entire system 2) System monitoring 3) Providing reminders, alerts, and notifications for system maintenance related activities.				
2.3.4 System Logs				
R3108	HD			
The system shall log and maintain information sufficient to determine: 1) What activity was performed; 2) Who or what performed the activity, including from where or on what system the activity was performed (subject), 3) What the activity was performed on (object), 4) When the activity was performed (e.g., date/time), 5) What tool(s) the activity was performed with, 6) What the status (such as success vs. failure), outcome, or result of the activity was. 7) What information was requested (down to the individual data element if requested), 8) Purpose for which the information was access (i.e., view, print, update). 9) Whether the activity was allowed or denied by the access-control mechanisms. 10) Description and/or reason codes of why the action was denied by the access-control mechanisms, if applicable.				
R3109	HD			
The system shall ensure that the time/date stamp generated by each log is synchronized with the County infrastructure (i.e., County network time keeping service).				
R3110	HD			
The system shall be capable of auditing every data element in the database.				
R3111	HD			
The system shall provide the capability for a user to select the additional data elements to be audited and the detail of information returned by the audit				
R3112	HD			
The system shall restrict access to system logging and auditing function to authorized users.				
R3113	HD			
The system shall provide mechanisms to ensure the integrity of the log files (i.e., encrypt log files to prevent unauthorized access and/or tampering).				

Technical Requirements Section 2.3 - Platform

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comment
R2983	D			
2.3.5 Data Archival/Retrieval				
R3088	HD			
R3090	HD			
R3091	HD			
R3089	HD			

Technical Requirements Section 2.4 - Network

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
Req #	Description				
R3115	The system shall be compatible with and support TCP/IP protocols including: Secure Sockets Layer (SSL), Secure File Transfer Protocol (SFTP), Secure Shell (SSH), Simple Mail Transfer Protocol (SMTP) and Simple Network Monitoring Protocol (SMNP).	HD			
R3116	The system shall support secure, Web-enabled user sessions that originate outside of the State and County firewalls and that are compatible with the current version of the VPN client being used by County.	HD			
R3117	The system shall securely synchronize the host system with mobile and remote system clients.	HD			
R3162	The system shall be compatible with County file and print services (i.e., Windows, Active Directory).	HD			
R2947	The system should support network-based FAX.	HD			

Technical Requirements Section 2.5 - Security

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement		Prior.	How Met	Avail.	Comments
Req. #	Description				
2.5.1	Security Architecture				
R2948	The system shall have a documented security architecture that shows how the system, as implemented for SCMH, confirms with federal, State of California. and County regulations, standards, and policies regarding privacy and security.	HD			
2.5.2	Access Controls				
R2953	The system shall allow the County the same level of access to the application and its supporting database whether the system is hosted internally or externally to the County.	HD			
R2958	The system shall require a user whose role and responsibilities normally precluded	HD			
R3118	The system shall support role-based access control (RBAC) for the authorization and authentication of users.	HD			
R3119	The system shall provide tools for role-based administration and reporting to include: 1) Define and manage roles by user, by role type, and by function, 2) Specify the privileges for a role, 3) Add a user to a role, 4) Associate a user with more than one role.	HD			
R3120	The system shall authorize access to system functions based on the user's role(s).	HD			
R3121	The system shall authorize user access to any and all parts of a consumer's record and the functions that can be performed (e.g., create, read, update, delete) on that record or portions thereof according to the user's role.	HD			
R3122	The system shall provide the capability for a user to configure record access control based on the user's location.	HD			
R3175	The system shall authenticate a user to their role before allowing the user access to the consumer information.	HD			
R3169	The system shall provide the ability for an authorized user (e.g., system administrator) to add/delete users and assign, modify, or delete related system access restrictions or privileges including roles.	HD			
R2955	The system should be able to flag user accounts that have been inactive for a County-specified period (i.e., 90 days).	HD			
R2956	The system shall provide the ability to monitor logins to the system: Successful, Unsuccessful, Number of attempts and whether succeed or fail	HD			

Technical Requirements

Section 2.5 - Security

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments
R2954	HD			
R3127	HD			
R3129	HD			
R3173	HD			
R3176	HD			
R3177	HD			
R2951	HD			
R3131	HD			
R3132	HD			
R3133	HD			
R3178	HD			
2.5.3 Session Management				
R3123	HD			
R3124	HD			
R3125	HD			

Technical Requirements

Section 2.5 - Security

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

Avail: For Std. ONLY select one of the following -- Prod. For In Production, Beta for In Beta, Dev. For In Development, N/A for not available or applicable

Requirement	Prior.	How Met	Avail.	Comments	
R3126	The system shall allow the user to resume an interrupted session upon restoration of system/network service and user re-authentication to the system.	HD			
2.5.4	Data Security				
R3135	The system shall provide security to the data field level.	HD			
R3164	The system shall allow data (down to the field level) in a consumer record to be marked as restricted and only made accessible to a user according to their role(s).	HD			
R3544	The system shall restrict user access to those sections of a consumer's record for which they are authorized in accordance with their system-defined role(s).	HD			
R3130	The system shall allow read-only access to authorized users if records or documents are open or being used by others (and provide information as to who has the file open.)	HD			
R2957	The system shall notify a user if the record is in use and by whom.	HD			
R3147	The system shall have electronic mechanisms to corroborate that electronic protected health information has not been altered or destroyed in an unauthorized manner.	HD			

Technical Requirements Section 2.6 - Interfaces

How Met: Select one of the following -- Std. for Standard, Mjr for Major, Min. for Minor, N/A for Not Available

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Requirement		Prior.	How Met	Avail.	Comments
Req #	Description				
R2925	The system shall support system-to-system interfaces, both real-time and batch.	HD			
R3153	The system shall have formal interface specification(s) that describes the exchange of information (i.e., clinical, financial, administrative) between itself and external healthcare oriented system(s).	HD			
R2931	The system shall be able to incorporate information from other databases or EHR computer systems (internal or external) into the consumer record according to County-defined policies.	HD			
R2924	The system shall be capable of interfacing with an automated call director (ACD) system.	HD			
R4361	The system shall be capable of interfacing with an interactive voice response (IVR) system.	HD			
R2938	The system shall allow for the on-line submittal of data to the State DMH ITWS for various State reporting requirements, including CSI.	HD			
R4360	The system shall support electronic transfer of data to/from the State DMH ITWS for claiming purposes.	HD			
R2942	The system shall support an XML interface to DCR (Full Service Partnership).	HD			
R2946	The system shall support secure Web services (XML).	HD			
R3152	The system shall support the mapping of system data into the State of California required formats as well as code translation and conversion.	HD			
R3154	The system shall support HL-7 interfaces version 2.3.1 or later.	HD			
R3155	The system shall support the Logical Observation Identifiers Names and Codes (LOINC) vocabulary standard.	HD			
R3156	The system shall support the foundation standards established by CMS for E-Prescribing. (http://www.cms.gov/EPrescribing/02_Adopted%20Standard%20and%20Transactions.asp#TopOfPage)	HD			
R3157	The system shall provide the capability for a user to share schedules and calendars established in the system with the County MS Exchange/Outlook clients	D			
R3158	The system shall provide the capability to interface with the County-designated external databases using Open Database Connectivity (ODBC).	HD			

Technical Requirements Section 2.6 - Interfaces

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Requirement	Prior.	How Met	Avail.	Comments
R3160	The system shall provide the capability to develop interfaces with County external databases using eXtensible Markup Language (XML).	HD		
R3161	The system shall provide secure programmatic access to the system functions through Web services.	HD		
R3163	The system shall support a standard system interface with bar code scanning devices (mobile and fixed) for clinical and inventory functions.	HD		
R3826	The system shall support ePrescribing.	HD		
R3309	The system shall have the ability to interface with a staff calendar maintained on Outlook/Exchange and its appointment calendar when scheduling an appointment for that a consumer with that staff member.	D		
R4307	The system shall interface to the County accounting system (IFAS) for accounts payable transactions (e.g., Network Provider, Managed Care).	D		
R4096	The system shall support electronic transfer of data to/from the Medicare intermediary.	HD		
R3203	The system shall support a real-time interface to the State MEDS database to allow a designated user to view the current status of a consumer's eligibility at any time during the consumer course of treatment (e.g., during the billing process).	HD		
R4359	The system shall support a real-time interface to the State MEDS database to allow a designated user to query a consumer's eligibility at any time during the consumer course of treatment and capture an appropriate set of eligibility information back into the system (e.g. Eligibility Verification Confirmation code, CIN, etc.)	HD		
R3205	The system shall support periodic (i.e., monthly MMEF) down-loading of the Medi-Cal Eligibility Determination System (MEDS) files from the State.	HD		
R4101	The system shall support electronic transfer of data to/from CalOMS.	HD		
R3204	The system shall support the periodic download of electronic eligibility data and transactions from payers and plans, including Partnership and private insurance.	HD		