SEER*DMS and the SEER Contract

SEER

Sept. 27, 2018

Relevant Contract Language

Task Order Task Area 3 – Core Infrastructure Support Activities

6. Utilize Central Registry Data Management Software (SEER*DMS)

- a. The Contractor shall conduct all central registry data management related activities using SEER*DMS.

- b. Unless other provisions are provided and approved by the COR, in coordination with the NCI Information Systems Security Officer (ISSO), SEER*DMS shall be located at an NCI designated hosting facility employing FISMA Moderate level controls.

- c. The Contractor shall participate in the SEER*DMS Change Control Board (CCB) meetings or any successor to the CCB to discuss modifications and enhancements to SEER*DMS.

Deliverable – SEER*DMS Migration Plan

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SEER*DMS – Reduce variation & improve quality and efficiency

"6a - The Contractor shall conduct all central registry data management related activities using SEER*DMS."

- Moving operations onto a standardized system or set of systems can help improve:
  - Efficiencies
  - Quality
    - As we develop tools and processes, a single system can help ensure there is consistency in approaches
    - Easier to identify points of failure or areas of improvement across the whole community
  - Ease the burden of operational work across the registry community
  - Implement new tools and technologies in a more streamline way

SEER*DMS – Security

"6b - Unless other provisions are provided and approved by the COR, in coordination with the NCI Information Systems Security Officer (ISSO), SEER*DMS shall be located at an NCI designated hosting facility employing FISMA Moderate level controls."

- IMS/ISSO close partnerships to ensure a continuously safe and secure environment for SEER*DMS registry data

- Every registry has their own security guidelines and levels. By utilizing SEER*DMS we are ensuring that our registries at the minimum have both FISMA and SOC protections for their data. Some registries may choose additional securities but we can provide secure standard across the community
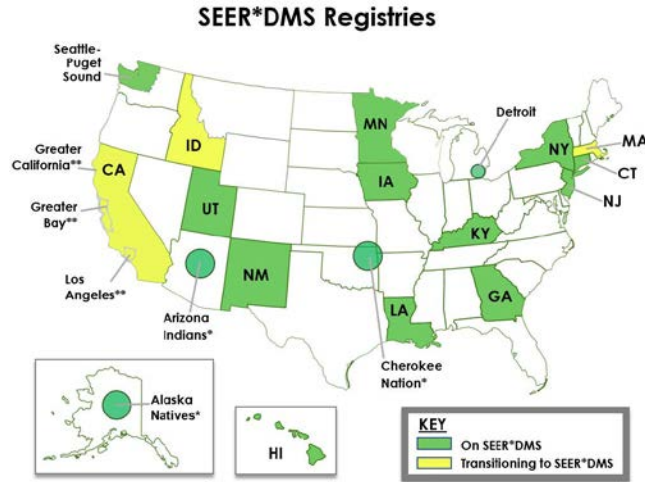
SEER*DMS – Multi-stakeholder engagement

"6c - The Contractor shall participate in the SEER*DMS Change Control Board (CCB) meetings or any successor to the CCB to discuss modifications and enhancements to SEER*DMS."

- Engagement in the Change Control Board is a key piece to ensuring:
  - Continuous improvement to the system that positively impacts the whole community
  - Identifying issues or areas for improvement that might otherwise not surface

Advantages to SEER*DMS Migration

1. Reduced need for systems support within the registry

2. System upgrades are deployed without registry involvement

3. System enhancements are provided through SEER*DMS

    - NAACCR XML

    - NAACCR Edits

    - NAACCR 2018 Implementation

    - Cancer Staging

    - Standard Setter Requirements

4. Manage Security requirements

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SEER*DMS Registries

SEER*DMS Registries

*Subcontract under New Mexico
**Three regions represent the state of California: Greater Bay, Los Angeles, and Greater California

IMS successfully completed 14 migrations; and is completing Kentucky while starting on the three California regional registries, Idaho and Massachusetts. Wisconsin will migrate once it moves into the CORE Infrastructure category.

Year	Registry
2005	Metropolitan Detroit CSS*
2006	Connecticut Tumor Registry
2007	Hawaii Tumor Registry New Mexico Tumor Registry
2008	Alaska Native Tumor Registry Cherokee Nation Cancer Program
2009	State Health Registry of Iowa Louisiana Tumor Registry
2010	Seattle Cancer Surveillance System
2011	Utah Cancer Registry
2012	Georgia Center for Cancer Statistics
2013	New Jersey State Cancer Registry*
2016	New York State Cancer Registry
2017	Minnesota Cancer Surveillance System*
2018	Kentucky Cancer Registry

Relevant Contract Language (con't)

TASK AREA 5 - SEER*DMS MIGRATION ACTIVITIES

The Offeror should anticipate that a scheduled SEER*DMS migration may require 12 to 18 months to complete.

1. The Contractor shall:

- a. Implement COR-approved Migration Plan, and

- b. Adhere to the migration as scheduled by the NCI based on the availability of resources and shall commence within 30 days of notification by the COR.

2. Migration activities shall include but are not limited to:

- a. Obtaining all required data use agreements and approvals for data transfer,

- b. Participating in requirements analysis for the system infrastructure and technical design,

- c. Providing detailed database documentation,

- d. Providing periodic data files for use in migration,

- e. Responding to questions related to data issues,

- f. Participating in requirements analysis for the development of algorithms and configuration,

- g. Participating in functional reviews,

- h. Participating in beta testing, and

- i. Participating in training.

Migration Tasks/Challenges/Next Steps

Phase	Description	Estimated Completion Time
1	Team setup, Legal agreements, VPN, Database	3 months
2	Data migration and system configuration.	12 months
3	Registry training and testing.	3 months

SEER*DMS – Program Priorities

SEER*DMS Registries

KEY
On SEER*DMS
Transitioning to SEER*DMS

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Migration

Usability
Evaluation

Infrastructure

IT
Governance

Security

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