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| **NEST Coordinating Center**  [www.nestcc.org](http://www.nestcc.org) |
| Posting Date: November 14, 2019  Due Date: December 10, 2019  Award Notification Date: January 31, 2020 |

**Opportunity: Cloud Infrastructure for NESTcc Active Surveillance System**

Part 2: Application Narrative

**Instructions**

1. **Administrative Information**

*This section will be submitted through entry fields in the application portal. Only items with an asterisk (\*) must also be completed in the table below.*

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| **Required Field** | **Information Instructions** |
| Announcement | *Select ‘IT Cloud Platform for NESTcc Active Surveillance System*’ |
| *Primary Contact Information* | |
| Primary Contact First Name\* |  |
| Primary Contact Last Name\* |  |
| Primary Contact Role within Organization |  |
| *Submitting Organization Information* | |
| Submitting Organization Name\* |  |
| Submitting Organization Address |  |
| Submitting Organization Telephone |  |
| *Proposal Information* | |
| Proposal Upload | *Upload* Application Narrative |
| Proposal Upload | *Upload Budget Proposal* |

1. **Application Narrative**

*Proposals* ***must not exceed eight (8) pages.*** *Applicants are not required to use the full space allowed. Please use the space to provide adequate information for the submission to be reviewed against the reviewer criteria. The application narrative should include:*

* *Description of your qualifications including prior experience on similar projects.*
* *Description of your plan for implementing Phase I of the cloud infrastructure which will be developed with the assistance of at least two of the NESTcc Network Collaborators that have experience with Cloud management and/or have specific knowledge related to active surveillance methodologies. Your response will be reviewed based on the ability to address all the considerations outlined in the RFP:* 
  + Security of the system including FedRAMP and FISMA compliance.
  + Creating different zones or levels of data with different access requirements for each.
  + Ingesting and storing data (in compliance with HIPAA regulations) on a continuous basis.
  + Conducting analysis on continuously accruing data.
  + Executing custom existing R, Python, and SAS code to analyze the data.
  + Creating dashboards outlining metrics on data and results of analyses.
* *Description of your plan for Phase II of the system to include additional users and more complex pathways and analyses. Your response will be reviewed based on the ability to address all the considerations outlined in the RFP:*
  + Adding additional Network Collaborators into the system quickly and efficiently.
  + Conducting data quality assessments.
  + Maintaining records (such as inputs, outputs, code for analysis, and logs) and storing data in the system for multiple years after project completion (can be stored in cold storage).
  + Plan for incorporating machine learning and predictive analytics into the platform, as necessary.
  + Future tailoring for business audiences by creating an easily accessible list of services for organizations across the medical device ecosystem to select.
* *Description of your plan for maintaining the system after development in a full-service capacity.*
* *Description of your past and current approaches to health information security, including any breaches with which you have dealt, and the mitigation plan used to address the issue (this will not disqualify you from being considered).*

1. **Deliverables Timeline**

*Include a timeline for completing the required deliverables within the period of performance (please note the appropriate period of performance in the RFP for each scope of work along with required deliverables). The deliverables included in the RFP represent a minimum set of required deliverables and must be presented in the table. Additional deliverables can be proposed by adding rows to the table.*

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Deliverable** | **Proposed Submission Date** | **Phase (if relevant)** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 | *[ADD ROWS AS NEEDED]* |  |  |

**To learn more about NESTcc, visit our website (**[**www.nestcc.org**](http://www.nestcc.org)**) or email us at** [**NESTcc@mdic.org**](mailto:NESTcc@mdic.org) **with any additional questions.**