

## ATTACHMENT A: SOLUTIONS SUMMARY MODEL

Use of this template is **required** for Solution Summaries submitted to the REST ISO

All submissions must be written in English with 12-point Avenir Next LT Pro font. Font sizes of 8 or 10 point may be used for figures, tables, and charts. Delete all formatting and content instructions prior to submission. Instructions and content recommendations are displayed in blue font and should be deleted prior to Solution Summary submission.

**Proposers are required to submit a Solution Summary in advance of a full proposal. Proposers will submit a single solution summary covering TA1 and/or TA2.** The total length of the solution summary should not exceed 6 pages if submitting for a single TA, 8 pages if submitting for both TA1 and TA2.

*NOTE: Each template attempts to provide proposers with guidance on development of submission content. It is the proposer's responsibility to ensure proposal content meets the evaluation criteria stated in the ISO. Content recommendations are displayed in blue font and should be deleted prior to proposal submission.*

| Page limit includes: | Page limits do NOT include:                                          |
|----------------------|----------------------------------------------------------------------|
| Sections 1 - 4       | Cover Page                                                           |
|                      | Basis of Estimate (BOE)(s) (see Solution Summary Template section 5) |
|                      | Cost Share Strategy (see Solution Summary Template section 6)        |
|                      | Citations (see Solution Summary Template section 7)                  |

<PRIME ORGANIZATION LOGO (optional)>

|                                                                                                           |                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Innovative Solutions Opening Title                                                                        |                                                                                                                                     |
| Solution Summary Title                                                                                    |                                                                                                                                     |
| Prime Organization Name                                                                                   |                                                                                                                                     |
| Prime Organization Type                                                                                   | Choose all that apply:<br><input type="checkbox"/> For-Profit <input type="checkbox"/> Non-profit <input type="checkbox"/> Academia |
| SAM.gov Universal Entity Identifier (UEI) (If already registered, not required at Solution Summary stage) |                                                                                                                                     |

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|                                                          |                                                            |
|----------------------------------------------------------|------------------------------------------------------------|
| Contact Address - State                                  |                                                            |
| Key Personnel/Staff                                      | Name:<br>Email:<br>Organization:<br>(Repeat, as necessary) |
| Prime Technical Point of Contact (POC)                   | Name:<br>Mailing Address:<br>Telephone:<br>Email:          |
| Prime Administrative POC                                 | Name:<br>Mailing Address:<br>Telephone:<br>Email:          |
| Technical Area Addressed                                 | <input type="checkbox"/> TA1 <input type="checkbox"/> TA2  |
| Animal Subjects                                          | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Human Subjects                                           | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Total Funds Requested From ARPA-H (including all phases) | Total: \$ _____                                            |
| Cost Sharing (required for TA1)                          | Gov't % ____ \$ _____<br>Performer % ____ \$ _____         |
| Place(s) of Performance                                  |                                                            |

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| SUB-AWARDEE AND CONSULTANT<br>TEAM MEMBERS<br>(Add rows as necessary) |                                                                                                                                           |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Organization Name:                                                 |                                                                                                                                           |
| Technical POC Name:                                                   |                                                                                                                                           |
| Organization Type(s):                                                 | Choose all that apply:<br><input type="checkbox"/> For-Profit<br><input type="checkbox"/> Non-profit<br><input type="checkbox"/> Academia |
| 2. Organization Name:                                                 |                                                                                                                                           |
| Technical POC Name:                                                   |                                                                                                                                           |
| Organization Type(s):                                                 | Choose all that apply:<br><input type="checkbox"/> For-Profit<br><input type="checkbox"/> Non-profit<br><input type="checkbox"/> Academia |
| 3. Organization Name:                                                 |                                                                                                                                           |
| Technical POC Name:                                                   |                                                                                                                                           |
| Organization Type(s):                                                 | Choose all that apply:<br><input type="checkbox"/> For-Profit<br><input type="checkbox"/> Non-profit<br><input type="checkbox"/> Academia |
| 4. Organization Name:                                                 |                                                                                                                                           |
| Technical POC Name:                                                   |                                                                                                                                           |
| Organization Type(s):                                                 | Choose all that apply:<br><input type="checkbox"/> For-Profit<br><input type="checkbox"/> Non-profit<br><input type="checkbox"/> Academia |

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NOTE: Content recommendations are displayed in blue font and should be deleted by the proposer before submitting the Solution Summary.

### 1. CONCEPT SUMMARY

Describe the Solution Summary concept with minimal jargon and explain how it addresses the REST Technical Area(s).

### 2. INNOVATION AND IMPACT

Clearly identify the outcome(s) sought and/or the problem(s) to be solved with the proposed technology concept. Describe how the proposed effort represents an innovative and potentially revolutionary solution to the REST Technical Area(s). Explain the concept's potential to be disruptive compared to existing and emerging technologies. To the extent possible, provide quantitative metrics in a table that compares the proposed technology concept to current and emerging technologies which may include:

- A progression of increasingly complex technical challenges.
- State of the art / emerging technology "baseline."
- Aggressive metrics for each year of the proposed project.
- Summary of specific outcomes from the proposed project or concept.

### 3. PROPOSED WORK

Describe the final deliverable(s) for the project, key interim milestones, and the overall technical approach used to achieve project objectives. Provide a concrete research plan at a level of detail that can be used to assess for novelty, scientific and technical merit, and potential feasibility. Discuss alternative approaches considered, if any, and why the proposed approach is most appropriate for the project objectives. Describe the background, theory, simulation, modeling, experimental data, or other sound engineering and scientific practices or principles that support the proposed approach. Provide specific examples of supporting data and/or appropriate citations to the scientific and technical literature. Identify adoption challenges to be overcome for the proposed technology to be successful. Describe why the proposed effort is a significant technical challenge and the key technical risks. ARPA-H expects projects to have substantial technical risk, counterbalanced with the potential for transformative impact, which must be clearly addressed within the submission.

If applicable, describe how the proposed work will interface with the broader REST ecosystem, including the Foundational Sleep Health Modeling and Discovery effort and the Research Integrator and IV&V effort.

### 4. TEAM ORGANIZATION AND CAPABILITIES:

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- 4.1 Indicate the roles and responsibilities of the organizations and key personnel comprising the Project Team.
- 4.2 Provide the name, position, and institution of each key team member and describe in 1-2 sentences the skills and experience they bring to the team. Key team members include the individuals who are expected to contribute to the scientific development or execution of the project in a substantive, measurable way. Include anticipated level of effort for all key personnel.

### 5. BASIS OF ESTIMATE (BOE):

- 5.1 Identify a BOE that encompasses all costs and resources for the entire proposed project team. The BOE should include direct labor, materials, supplies, equipment, travel, profit/fee, indirect costs, and any other relevant costs associated with the proposed project.
- 5.2 The BOE should identify whether resource sharing applies. Please further describe your value proposition and/or return on investment for this effort for the U.S. taxpayer beyond scientific or technical outcomes. The following table may be used:

| Categories                          | Amount |
|-------------------------------------|--------|
| Direct Labor (fully burdened)       |        |
| Labor hours                         |        |
| Subcontracts/Consultants            |        |
| Materials                           |        |
| Equipment                           |        |
| Travel                              |        |
| Other Direct Costs                  |        |
| Indirect Costs                      |        |
| Profit                              |        |
| <b>Total (including all phases)</b> |        |
| Cost Sharing (if applicable)        |        |

### 6. PRELIMINARY COST SHARE STRATEGY (TA1 PROPOSERS ONLY)

For Solution Summaries addressing TA1, describe the preliminary cost share strategy, including anticipated source(s) of cost share, when such support is expected to become available, and how the proposed cost share approach supports transition, commercialization, and long-term sustainability.

7. REFERENCES CITED – NOT INCLUDED IN THE PAGE LIMIT

For any references cited in the Solution Summary, provide uniquely identifying bibliographic information in this section, including first author, title, source (e.g., journal or book), year of publication, volume and page numbers (if applicable), and a persistent identifier such as a DOI or PubMed ID, where available.