

Roman Early-Definition Astrophysics Survey Opportunity: Submission Template

(1) Submission Title or Survey Name:

(2) Contact author (with institutional affiliation and full contact details, including email):

(3) Co-authors (names and institutions only):

(4) Do you support the selection of a Roman Early-Definition Astrophysics Survey (as described in the “Request for Information”; yes/no, with supporting motivation, 10 lines max):

[Answer the questions that follow only if proposing a specific survey concept; be aware that the content below may be made public should this concept, or one closely related to it, be documented in the Assessment Committee report.]

(5) Describe the science investigations enabled by the survey (as relevant, briefly describe: key science drivers and breadth of science areas engaged; datasets expected upon survey completion; comparison of science enabled, parameter space opened up, or complementarities with respect to ground/space-based state-of-the-art at time of Roman launch; key differences from, and/or complementarities with, Roman core community surveys; one page max):

(6) Provide a possible observational outline of the survey (as relevant/known, touch upon: survey area covered, possible location, and/or (types of) targets observed; optical element (filters/grism/prism) choices; cadence or other timing constraint (if relevant); depth to be achieved; total time needed including estimated overheads; how the survey leverages the unique observational capabilities of Roman; half-a-page max):

(7) Describe specific preparatory activities enabled by early definition (e.g., supporting facility observations, software development work, theoretical/simulation efforts etc.; describe the benefits of conducting these activities early; half-a-page max):

[It is allowed to add two additional pages with figures, tables, or references, as needed to support the preceding answers. This can include any past/planned white papers, community building/engagement activities, working groups, workshops, or cross-project/cross-mission planning relevant to the survey; You may use this MS Word template or any other software for editing your responses (12pt font). Once finished, please create and submit a pdf file.]