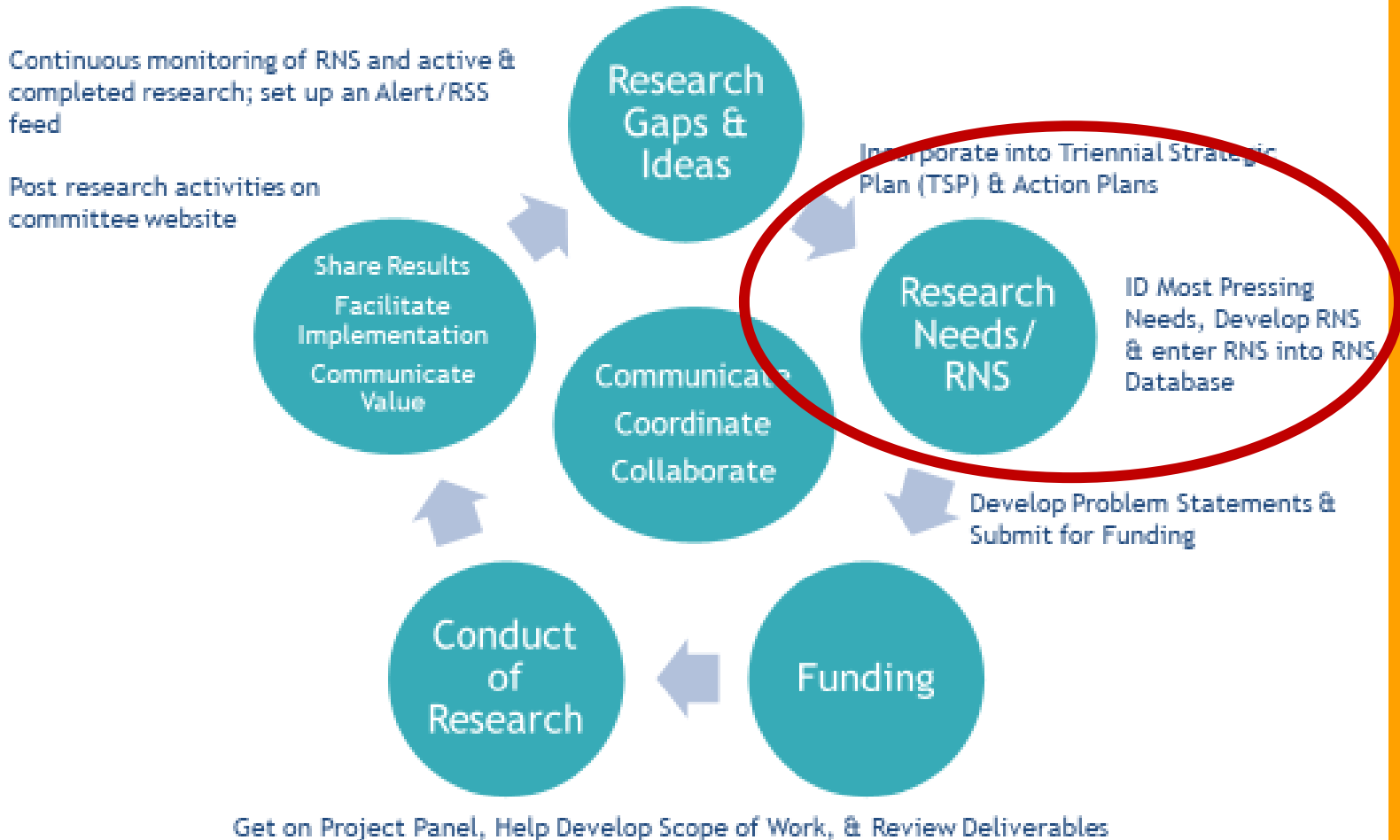


Developing RNS and the RNS Database

TRB ANNUAL MEETING 2022, CRC COMMITTEE MEETING

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AGENCY OF TRANSPORTATION

Research Cycle



This presentation will concentrate on Developing Research Needs Statements (RNS) and the RNS Database

TRB committee “duties” include developing RNS

Do You Have a Research Idea?

Search Research Needs – Has the idea been identified already?

- ❖ [TRB RNS](#)
- ❖ [Research Needs Meta Search](#)
- ❖ [RPPM](#)

Search In-Progress and Completed Research – Is/has the problem being/been addressed?

- ❖ [RIP](#)
- ❖ [TRID](#)
- ❖ [HERMES](#)
- ❖ [NTL Integrated Search](#)
- ❖ [Research Hub](#)
- ❖ [TRIP](#)

Research Idea is not Addressed Adequately or at all?

Develop/Revise Problem Statement

- ❖ [Relate to Active and Completed Research](#)
- ❖ [Use Potential Funding Programs Format](#)
- ❖ [How to Write an Effective Research Problem Statement](#)
- ❖ [Identify Potential RNS Co-Sponsors \(TRB Committees\)](#)
- ❖ [Collaborate on RNS/Problem Statement Development](#)
- ❖ [Vet RNS w/TRB Committees](#)

Enter into/Revise in RNS Database (TRB Committees)

Where Can You Find Funding?

[Funding Guidebook](#)

Know Funding Program Process

Submit RNS/Problem Statement

What Next?

Follow Project Progress

Share/Disseminate Results

Support Deployment and Implementation

Support Documentation of Research Value

Identify Research Needs....

CRCs working with Committee Chairs should solicit full committee input about your research needs

- Hold meeting discussions?
- Survey members and friends?
- Consider funding sources

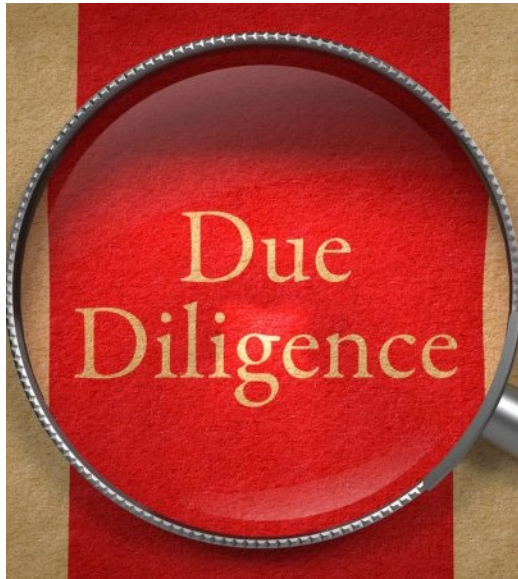
Think about research gaps! Relate to Committee's TSP...

Consider other committees and sources of support/partners and their needs

Identify who can help develop Research Needs Statements

Develop Research Needs Statements

Before WRITING a statement...



Is this a research gap?

Are there similar RNS or research reports?

Have you done a TRID search? Google search?

Who have you talked to?

You want a topic that has not been addressed adequately

RNS vs RPS

Research Needs Statement vs Research Problem Statement

Funding sources (like NCHRP) need Research Problem Statements (RPS)

RPS need to be complete and probably follow a template

Research Needs Statements (RNS) can be more generic and get wider interest in the topic

RNS should be entered into the TRB RNS Database

RNS in database do not have to include all fields

But, if you have a RPS....submit it to the funding source AND enter it into the RNS Database

PROBLEM STATEMENT

- 1 PROBLEM _____
- 2 BACKGROUND _____
- 3 RELEVANCE _____
- 4 OBJECTIVES _____

Developing
RNS: Who?
Review....
Submit

Should be more than the CRC!!

May help to have one or a few DRAFT an initial RNS

May help to use a template from a funding source

These should be reviewed!

- Consider partner reviews: other committees and stakeholders

After development

- Submit to RNS Database
- Submit to funding source

Resources - Developing and Prioritizing Research Needs Statements (RNS)

Developing and Prioritizing Research Needs Statements (RNS)

- RNS Review Check list: [Word](#)/[PDF](#)
- [RNS Development Guidelines and Checklist](#)
- [RNS Development Collaboration Tools](#)
- [Literature Searches and Literature Reviews: Getting Started](#)
- [Successful Practices and Tools](#)
- [Why Should Your Committee Use the RNS Database?](#)
- [RNS Suggestions and Frequently Asked Questions](#)
- [RNS Process Example](#)
- [ABC10 Idea/RNS Prioritization](#)
- [ADD40 Analysis of RNS in the RNS Database](#)
- [AFF20 RNS Development Plan - 2019 Update](#)
- [AFF20 RNS Prioritization Ballot](#)

RNS Development Resources

Go to the CRCC website (Google
TRB CRCC)

Click on Resources

Click on Developing and
Prioritizing RNS

Why Use the RNS Database?

- Research is TRB's middle name; it's important!
- Formalize your committee's research needs
- Keep up with needs related to your committee's scope
- Use it to assist in Triennial Strategic Planning
- Increase the chances of funding your RNS
- ("Findable" by researchers and potential partners)

**1460 Statements
in TRB's RNS
Database!!
(November 2021)**

From "Why Should Your Committee use the Research Needs Statement (RNS) Database" found at:
https://drive.google.com/file/d/1pu9fEGYzt-QvFVg86nWsXX7yR_wJv4Cr/view

- **Everyone has access to the RNS Database through MyTRB**
- **CRCs and Chairs can Create RNS and access their Committee Submissions**

The screenshot displays the MyTRB portal interface. At the top, a dark navigation bar contains links for HOME, MyTRB, CONTACT US, DIRECTORY, E-NEWSLETTER, FOLLOW US, and RSS. Below this, the header area features the NATIONAL ACADEMIES logo (with subtext: Sciences, Engineering, Medicine) on the left and the TRB TRANSPORTATION RESEARCH BOARD logo on the right. A user profile indicator shows 'A. Emily Parkany - Log Out'. A secondary navigation bar contains buttons for MyTRB Home, My Account, Store, Self-Service, CRP Panels, My Activities, State Representative Services, Online Directory, Annual Meeting, and Webinar. Below this is a row of buttons for RNS and Help. The main content area features a row of six large buttons: Search RNS, Browse Recently Added, Browse by Committee, Browse by Subject Category, Create RNS, and My Committee Submissions.

Welcome A. Emily Parkany to the MyTRB Portal.

Through the MyTRB portal you are able to:

- [Update your profile;](#)
- [Become a friend of a standing committee;](#)
- [Accept nomination to a standing committee;](#)
- [Submit a panel nomination for participation in TRB's Cooperative Research Programs;](#)
- [Subscribe to the *TRB Weekly* newsletter;](#)
- [Order publications;](#)
- [Search the online directory of more than 8,000 TRB volunteers;](#)
- [Access features only available to standing committee members and chairs, and TRB state and federal representatives;](#)
- [Visit the Career Center;](#)
- [Search and View Research Needs Statements \(RNS\);](#)
- [Review Annual Meeting Calls for Papers \(~May to August 1\); and](#)

Using terms from the Transportation Research Board, this will not be reviewed by either staff or the state representative approval committee.

Save in Progress Save and Submit

*** Title**
The research statement title should briefly and immediately convey to the reader what the proposed study is about.

*** Background / Description**
The background statement is an opportunity to convince the reviewer that the research statement addresses a serious issue and merits funding. It should set the context and relate the particular issue to larger national or regional goals and objectives.

← → Paragraph ▾ **B** *I* ☰ ☷ ☰ ☷ ↶ ↷

*** Objective**
A short, concise, and accurate description of what the expected product of this research will be.

← → Paragraph ▾ **B** *I* ☰ ☷ ☰ ☷ ↶ ↷

Create a RNS (Start within MyTRB)

ALL RNS Need: Title, Background/Description, Objective, Sponsoring Committee, Subject Categories, Disclaimer

RNS can include: Potential Benefits, Related Research, Proposed Tasks, Implementation, Funding, Research Period, Research Priority, Target Audience, RNS Developers, Co-Sponsoring Committees

SEARCH RNS

Added

Committee

Category

CREATE RNS

Submissions

My Committee Submissions

Help

The below table contains a listing of your committee's RNS statements. In order to edit a RNS statement that you submitted, please click on the corresponding RNS statement's *Options* dropdown and select *Edit/Modify*. (Please note that statements may not be modified if they are awaiting indexing, published, or archived.)

All New Proposed Awaiting Indexing Rejected Archived Published

Type to filter

Action	Title	Status	Date Submitted	Date Published
Options	Synthesis of State DOT Social Media Practices to Support Research, Innovation, and Implementation Across the Research Lifecycle	Published	04/30/2021	03/03/2022
Options	Synthesis of State DOT Research Program Marketing Practices and Communication Strategies for Successful and High Value Research across Intra-Agency and General Public Perspectives	Published	04/30/2021	03/03/2022
Options	Enhancing the Research Product: Applying Project Management Tracking Tools, Systems, and Dashboards for Research Program and Project Management	Archived	04/27/2018	04/29/2019
Options	Transportation Research Culture--Synthesis of Practices	Archived	04/27/2018	04/29/2019
Options	Organizational Readiness to Accept Innovation: Best Practices for Creating and Maintaining an Innovation Delivery Culture within Organizations	Archived	09/17/2014	09/22/2014
Options	Guidance and Specifications for Transportation Research Literature Searches and Literature Reviews	Archived	06/25/2013	07/01/2013

Entering an RNS into TRB RNS Database is NOT the same as Submitting to a Funding Source

1

Submit to a funding source

2

Keep talking to potential partners and drum up support for the idea

3

Revisit the RNS:

- Still timely?
- Still a priority for your committee?
- Revise/update or archive?

My RPS was NOT funded, now what?

Don't

Despair!

Keep

Keep talking to potential partners and get feedback about their interest and priorities

Submit

Submit to the RNS Database!

- Maybe researchers will pick it up
- You may find new partners

CRC Resources

Today's Workshop!

Consult other CRCs

Use the CRCC website (Google TRB CRCC)

Presentations

Examples

Consult your CRC Group Chair

Planning a "Ask a CRC" opportunity

CRC Council wants to learn how we can help you