Chapter 10 Submission via the Cross-ministerial R&D Management System (e-Rad)

10.1 Points to Note with Regard to Submission via the Cross-ministerial R&D Management System (e-Rad)

Calls for research proposal applications are made via the e-Rad (http://www.e-rad.go.jp/en/index.html)¹⁹ system. The process for submitting research proposal applications via e-Rad is described below.

Please pay attention to the following points in particular.

O Please submit your applications via e-Rad.

No proposal for which the application procedure has not been completed via e-Rad by the deadline is subject to examination for any reason.

O Log in to e-Rad; recommended movement environment

The recommended movement environment of e-Rad is IE, Firefox, Safari.

O Researcher registration is required in advance.

For details, please refer to 10.4.1.

O Please allow several days or more after the application deadline for inputting information into e-Rad.

Input of information into e-Rad takes a minimum of around 60 minutes. Furthermore, on the day of the application deadline, there is a risk that the e-Rad system may be crowded and inputting may take a long time. Please allow ample time before the application deadline to commence inputting information into e-Rad.

O It is possible to "temporarily save" input information.

It is possible to discontinue input of and temporarily save application information part way through. For details, please refer to the "Saving and Reassessing your Application Information" section under "10.4.4 Entering the Required Information into the e-Rad System" and/or "Usage Manual for Researchers" or

 $^{^{19}}$ The e-Rad system is a cross-ministerial system that enables online completion of all processes (Application receipt \rightarrow Evaluation \rightarrow Selection \rightarrow Management of selected research topics \rightarrow Reporting of results, etc.) related to the management – referring primarily the competitive funding systems overseen by individual ministries - of research and development. "e-Rad" is 府省共通研究開発管理システムの略称で、derived from the words "electronic" and "research and development" (for science and technology).

"Frequently Asked Questions" sections on the e-Rad portal site.

○ "Retraction" is possible, even after the research proposal has been submitted.

<u>Up to and including the day prior to the application deadline,</u> it is possible for researchers to retract and re-edit their research proposals. For details, please refer to the "Amending Submitted Application Information: 'Retraction'" section under "10.4.4 Entering the Required Information into the e-Rad System" and/or "Usage Manual for Researchers" section on the e-Rad portal site.

Do not "retract" research proposals on the day of the application deadline. On the day of the application deadline, there is a risk that the e-Rad system may be crowded and re-editing the proposal after retraction may take a very long time.

10.2 Flow of Application Process Using e-Rad

(1) Enter information on the research institution and researcher

Applicants who do not have a login ID or password must request the administrative section of their research institution to register the institution in the e-Rad system. It should be noted that the registration process can take more than two weeks. →For more details, please refer to 10.4.1.

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(2) Obtain application requirements and research proposal forms

Check the list of current calls for research proposal applications on the e-Rad portal site, and download the application requirements and research proposal forms. \rightarrow For more details, please refer to 10.4.2.

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(3) Prepare a research proposal (maximum file size of 3 MB) \rightarrow For more details, please refer to 10.4.3.

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(4) Enter the application information into the e-Rad system

Enter the required information into the e-Rad system. Input takes around 60 minutes. \rightarrow For more details, please refer to 10.4.4.

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(5) Submit the research proposal

Submit your research proposal by uploading it. \rightarrow For more details, please refer to 10.4.5.

10.3 System Availability and Where to Direct Questions

10.3.1 How to use the e-Rad system

- The manual for e-Rad operation may be seen in or downloaded from portal site (http://www.e-rad.go.jp/). Apply upon agreeing to the rules of use.
- Please check (https://www.e-rad.go.jp/terms/requirement/index.html) before using the e-Rad system.

10.3.2 Where to direct questions on how to use the e-Rad system

Questions regarding JST's systems and programs should be directed to JST. Questions on how to use the system should be directed to the e-Rad helpdesk.

Please read carefully the explanation of the application process contained in this chapter, and the contents of the e-Rad portal site, before submitting a question.

No answer is given to questions concerning the review or adoption of a proposal.

Questions regarding	JST Department of	Be certain to send questions by e-mail (except
matters like systems and	Innovation Research	when in a hurry).
programs, preparation of	(Person in charge of	E-mail: rp-info@jst.go.jp (For matters related to
documentation for	calls for proposals)	proposal submission)
submission, and submission		Tel: 03-3512-3530 (For matters related to proposal
procedures		submission)
		Hours: 10:00 -17:00
		●Except on Saturdays, Sundays, and holidays
		[Communication by e-mail may be requested even
		when a question is asked by telephone.]
Got questions regarding use	e-Rad helpdesk	Tel: 0120-066-877 (navi dial)
of the e-Rad system		Hours: 9:00-18:00
		●Except on Saturdays, Sundays, holidays, and the
		year-end and new year period
		[In the case that the navi dial is unavailable]
		03-6631-0622 (direct line)

- Website for this program: (http://senryaku.jst.go.jp/teian-en.html)
- e-Rad portal website (http://www.e-rad.go.jp/en/index.html)

10.3.3 e-Rad system availability

Monday to Sunday 0:00-24:00 Available 24 hours a day, 365 days a year.

* Maintenance and inspection schedules are announced ahead of time on the portal site.

10.4 Detailed Submission Instructions and Precautions

10.4.1 Entering information on research institutions and researchers

Research organizations need to be registered in e-Rad before application. They are requested to select an office representative concerning e-Rad, who downloads a registration form for research organization from the e-Rad portal site (referred to as "portal site" hereafter) to apply for registration.

Applicants must first register their researcher information and obtain an e-Rad login ID and password. For CREST applications, registrants include the Research Director and all Joint Researchers. For PRESTO or ACT-I applications, the registrant includes only the Research Director (If registration via a system or program of another ministry or other government organization has already been completed, doing so once again is not required.)

The following registration procedures are required. Please allow two weeks or more for completing procedures. For details, please refer to the "Preparations for Using the System" or "Frequently Asked Questions" sections on the e-Rad portal site.

- 1) For researchers affiliated with a domestic research institution
- , Operator: administrator at the research institution

Registration details: research institution and information on the researcher

2) For researchers affiliated with a foreign research institution, and researchers affiliated with no research institution

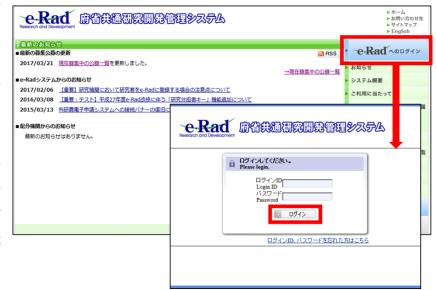
Operator: applicant

Registration detail: information on the researcher

10.4.2 Obtain application requirements and research proposal forms

(1) Click "e-Rad login" on the portal site.

- (2) Log in using the applicant's login ID
 - and password.
- Once this is done, information on the researcher who has logged in will be automatically displayed in areas showing



information on the Research Director or Individual Researcher.

For first-time logins, it is necessary to enter initial settings. In addition, when logging in from a PC other than the one normally used for login, the login process will go to an additional authentication screen. On such occasions, the user may be asked to respond to a preset question.



(参考)初回ログイン画面

(3) Search for calls for proposals

Click on 1) "Application / Selection Information Management" on the left-side menu. Next, click on 2) "List

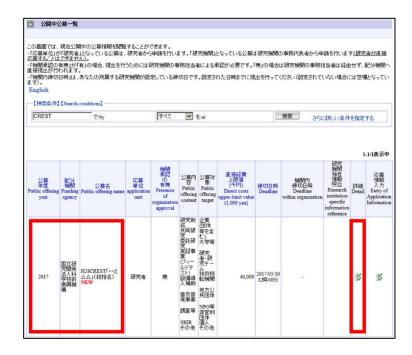
of Current Calls for Proposals."



(4) Click on "Details" for the call for proposals for which an application will be submitted.

Make sure everything is correct in terms of the call-for-proposals selection,
CREST or PRESTO or ACT-I category, and research area.

Simple searches can be performed by clicking "Search Conditions".
(Please search based on terms such as system name, research area, and Research Supervisor.)

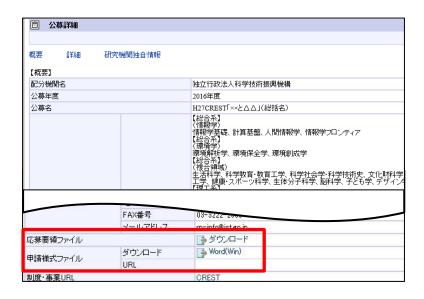


(5) Download the research proposal forms and application requirements

Confirm that the call for proposals, CREST / PRESTO / ACT-I category, and research area are correct. For the research proposal forms, click "Application Form File" and download the file.

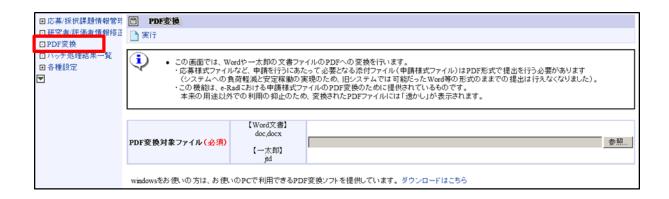
> Be very careful to use the correct forms for the research area for which the application will be submitted.

Application requirements (application requirements for the call for proposals) can be accessed from the same page. (Click on "Application Requirement File" to download the requirements.)



10.4.3 Preparing a Research Proposal

- Make sure that application requirements are understood before preparing a research proposal.
- Research proposals (doc format) must be converted to the PDF format before uploading to the e-Rad system. PDF conversion can be performed using the menu that appears after login. It is also possible to download the conversion software from the same menu and install it on the researcher's computer.



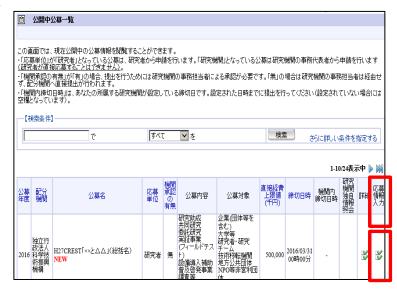
NOTE:

- Please confirm the recommended operating environment in advance to log in the e-Rad system.
 The recommended operating environment is IE, Firefox, or Safari.
- Research proposals converted to the PDF format should be no larger than 3MB. Files exceeding 10MB cannot be uploaded to the e-Rad system.
- > Delete the conversion history.
- When creating PDF files, do not set a password for the research proposal.
- Make sure that page numbers have been attached to the file converted to PDF format.
- Confirm the creating PDF files. Following misconversion could be happen.
 - * In the process of conversion, characters, such as those used in certain languages and special characters, may not be rendered correctly. It is necessary, therefore, to check all PDF files within the system. For more information on characters available for use, please refer to the "Usage Manual for Researchers" (downloadable from the e-Rad portal site).

10.4.4 Entering the Required Information into the e-Rad System

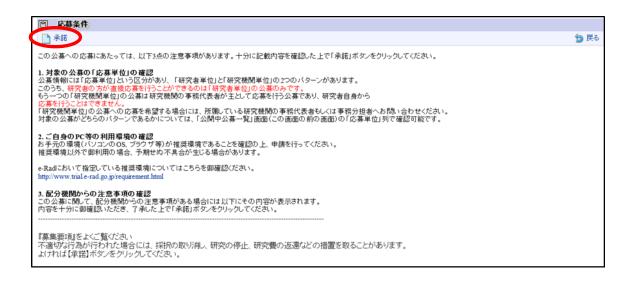
(1) Search for calls for proposals

After preparing a research proposal, log in once again, search for calls for proposals.



(2) Application conditions

After reading the cautionary note, click "Agree" on the upper left portion of the screen.



Saving and Reassessing your Application Information

1. Saving Information Temporarily

In the case that you wish to temporarily store application information during input, please click on the "Temporarily Save" button at the top-left of the screen.

* Unless you fill in all items from (1) to (8) in "10.4.4 (3)", you cannot temporarily store information.



2. Reassessing your Application Information

First click on "1)

Application/Selection Information

Management" in the right-side menu,
then click on "2) Application
Information Management", which will
be displayed.

Input the recruitment year (2017) and research area name into the 【Search Criteria】 box and click the "Search" button.



If you click on the "Edit" button, the Application Information Registration (Amendment) page will appear.



(3) Enter application information

Enter the various types of information required to apply.

This screen is organized with tabs. Clicking the eight tabs shown below will display a related data entry screen. Unless you fill in all items from (1) to (8), you cannot temporarily store information.



Application information data entry screen (Accessed by clicking the "Research Director Information Confirmation" tab)

- In the space labeled "R&D Subject," enter the "Research Project Name" from Research Proposal (Form 1).
- X Confirm that the call for proposals, CREST / PRESTO /ACT-I category, and research area are correct.
- (1) "Research Director Information Confirmation" tab



- Check whether the information on the Research Director is correct. Information registered on the e-Rad system is automatically entered.
- Researchers who are affiliated with multiple research institutions must select the institution from which

the proposal will be made. This selection is made via this tab.

It is possible to amend researcher information from the e-Rad "Revise Researcher / Evaluator Information" menu. For details, please refer to the "Usage Manual for Researchers."

(2) "Common Items" tab



Research Period (End) (1.5 year projects): 2018 (Fiscal year), (2.5 year projects): 2019 (Fiscal year) *ACT-I is assumed.

Research Period (End) (3.5 year projects): 2020 (Fiscal year) *PRESTO is assumed.

Research Period (End) (5.5 year projects): 2022 (Fiscal year) *CREST is assumed.

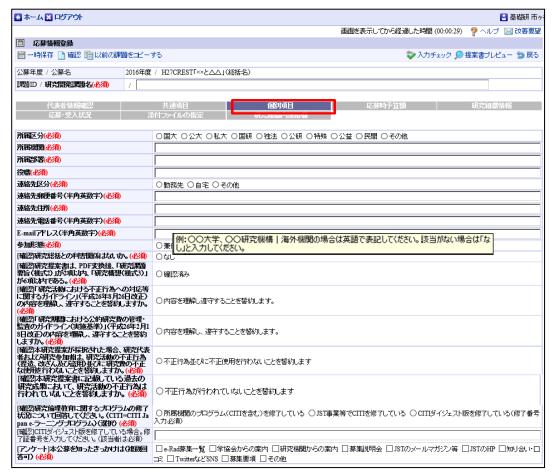
Research Field (Main, Secondary) / Specific Name: Click "Search" and use the new screen to perform a detailed search for the research field / specific name that apply to the proposed research. Select the appropriate items.

Research Field (Main, Secondary) / Keywords: After selecting a specific name, select keywords from the list.

Research Objectives: Enter "Refer to the research proposal."

Research Overview: Enter "Refer to the research proposal."

(3) "Individual Items" tab



Follow the screen to input. Placing the cursor over each item will cause a related explanation to appear. Please refer to these as necessary.

- * For CREST applications, enter information on the Research Director.
- * Form of participation (PRESTO)

(Joint Appointment): For researchers affiliated with a university or national research and development agency, public testing and research institution, foundation or private company

(Exclusive Appointment): For postdoctoral fellows and researchers who will resign or take leave from the research institution with which they are currently affiliated

For details, please refer to "5.3.3 Joint appointment and Exclusive appointment."

<in case of being a student when adopted>

Student: a student in a master's course or Ph.D. course at adoption

(The student cannot participate as a full-time researcher employed by JST.)

<in other cases>

Full time: a researcher not affiliated with a research organization or a business firm, or a researcher who has no choice but to resign for a reason of the affiliated organization.

Affiliated with a research organization to be contracted: a researcher participates in ACT-I research while affiliated with a research organization or a business firm at adoption.

*(additional items for ACT-I)

Input the name (Katakana for pronunciation) of a researcher (or a student) in case an actual researcher and a holder of ID in e-Rad in addition to birth date and gender of a researcher in "individual items" tab.



Points to Note when Inputting Information Using the "Individual Items" Tab

- For items marked 【CHECK】, be sure to check the content carefully before clicking the "Check" button.
- With regard to programs related to Research Integrity Education, please refer to "8.1 Enrolling in and Completing the Educational Program for Research Integrity".
- In the case that you have completed the condensed CITI Japan e-learning program, please be sure to input the Completion Certificate Number.

^{*}about participation in (ACT-I)

(4) Budget at Application Time" tab



Direct Cost (CREST): Enter the <u>yen-denominated</u> team total cost figures for each fiscal year from "Itemized Research Cost Plan (team)" on Research Proposal (Form 6). (Unit = 1,000 yen/each fiscal year)

(CREST only) If the figure for the initial fiscal year (2017) under this tab does not equal the total for the Research Director and all Lead Joint Researchers under the "Research Organization Information" tab (5) below), an error will result.

Direct Cost (PRESTO/ACT-I): Enter the <u>yen-denominated</u> cost figures for each fiscal year from "Desired Research Budget" on Research Proposal (Form 1). (Unit = 1,000 yen/each fiscal year)

> Direct cost breakdowns are not required.

Overhead Cost (Indirect Cost): Enter "0" (1,000s of yen) for each fiscal year.

Please input "0 yen" due to system functioning.
In actuality, in addition to research costs (direct costs), as a general rule research institutions are paid contract research costs up to a maximum of 30% of direct research costs based on contract research agreements.

[Precautions]

The frame for fiscal year ♦ in "" tab above is displayed to reflect the research period input in ② "common item" tab.

Move the lateral scroll bar to right in order to display a CREST frame for years after the sixth year.

(5) "Research Organization Information" tab



Direct Cost (CREST): Enter the "Initial Fiscal Year (2017) Research Cost for the Research Director's Group" from the "Research Budgets for Individual Research Group" on Research Proposal (Form 6). Round to the nearest 1,000 yen.

Direct Cost (PRESTO/ACT-I): Enter the <u>desired budget figure for the initial fiscal year (2017)</u>. Round to the nearest 1,000 yen.

* Direct cost breakdowns are not required.

Overhead Cost (Indirect Cost): Enter "0" (1,000s of yen).

Research Institution: In the case that you are affiliated with multiple research institutions, please select the

institution at which you conduct research.

Field of Specialization: Enter in concise terms.

Role: Enter "Research Director" or "Lead Joint Researcher."

Effort: Enter the anticipated total effort for FY2017 if the proposal is selected. (For CREST, this should be the

same figure as appears on Research Proposal (Form 4 (5 Lead Joint Researchers)). For PRESTO/ACT-I,

this should be the same figure as appears on Research Proposal (Form 5).

(CREST only)

When there are Lead Joint Researchers, click "Add" in the lower portion of the screen to enter data for

them. Enter researcher information in the same manner information was entered for the Research

Director.

If the figure for the initial fiscal year (2017) under the "Budget at Application Time" tab (4) above) and

the total for the Research Director and all Lead Joint Researchers under this tab are not equal, an error

will result.

In the case that the Lead Joint Researcher does no register his/her information on e-Rad in sufficient time

to meet the Application Deadline, provisionally combine the Lead Joint Researcher's information with

that of the Research Director. After application has been completed, please promptly send the researcher

information for the Lead Joint Researcher that could not be input to the following contact address:

rp-info@jst.go.jp.

(6) "Application and Acceptance Status" tab

No entries are required for this tab.

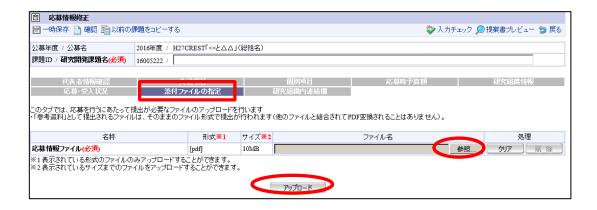
* For "Support from Other Organizations, etc.," enter the information from Research Proposal (Form 10) for

a CREST application, or the information from Research Proposal (Form 5) for a PRESTO/ACT-I

application.

(7) "File Attachment" tab

Click "Choose" to select and upload the PDF created in (3) Preparing a Research Proposal.



*When an (ACT-I) student is a research proposer, upload a confirmation document from "reference material" on the screen in addition to application information file. Prepare a confirmation document that is signed by both the student and guiding instructor and converted to PDF.

(8) "Internal Research Organization Contact Information" tab

This information will not be used in CREST / PRESTO / ACT-I examinations.

10.4.5 Research Proposal Submission



Click on the "Confirm" button at the top-left of the screen.

In the case that there are sections where the input information does not correlate with e-Rad's input rule, an error message will appear at the top of the screen, the tab for the section where the problem occurred will appear in red, and the cell for the incorrectly input information will appear in yellow. Please make corrections as instructed in the message.



Confirm that all entered information is being correctly displayed and click on "Submit" in the upper left portion of the screen to submit the proposal. Substantial time is required to complete the submission process in some cases.

If the submission is successful, a message reading "Application Information Receipt Finalized" will be displayed. At that point, the Research proposal has been submitted to JST. It should be noted that CREST / PRESTO / ACT-I do not require that the research institutions with which researches are affiliated provide approval via the e-Rad system.

Amending Submitted Application Information: "Retraction"

Researchers may retract or amend their proposals up to and including the day prior to the application deadline.

- * Do not "retract" research proposals on the day of the application deadline.
- 1) First click on "1) Application/Selection Information Management" in the left-side menu, then click on "2) List of Processed Items", which will be displayed.



2) Click on the "Retract" button.



3) When the Retraction screen appears, click on the "Retraction" button.



After retraction is completed, the proposal will be "temporarily saved". For recommencing input of information from a "temporarily saved" status, please refer to "Saving and Reassessing your Application Information" above.

■ Confirmation of application information status

After clicking "Application / Selection Information Management" on the left-side menu (1) below), click "Application Information Management" (2) below).

If the proposal has been submitted correctly, status will appear as "Processing" (there may be a time lag for applications submitted via e-Rad).

Research Applications whose status does not appear as "Processing" by the Application Deadline are invalid. If a "Processing" message does not appear by the Application Deadline despite compliance with submission rules, please send an e-mail to the following contact address: <u>rp-info@jst.go.jp</u>.



Figure Application information management (Processing)

Receipt by JST

When a research proposal has been received by JST after the Application Deadline, the application status is shown as "Application Complete" or "Received." It should be noted that in some cases the change in application status may not be reflected until several days after submission.

