

## Rejuvenation Instructions

### #130 – How NRIs, PDs, and EBs Work



#### This NRI covers the following:

- How the Novinium Rejuvenation Instructions (NRIs) document the standard rejuvenation procedures for the UPR, iUPR, and SPR processes.
- How Procedure Developments (PDs) are created and lead to improving NRI procedures.
- How NRI updates are announced and important information is conveyed through Engineering Bulletins (EBs).

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**WARNING:** It is dangerous working around energized high-voltage systems, pressurized systems, and chemicals. Always work in accordance to the Novinium Field Operations Safety Handbook (FOSH) or other local governing safety standards.

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# Novinium Rejuvenation Instructions (NRIs)

## 1. Content.

- NRIs are the standard set of documented injection procedures used by Novinium to address power cables through the UPR, iUPR, and SPR processes.
- NRIs are organized by category and topic and can be selected based on the employed rejuvenation process (UPR, iUPR, or SPR). For many documents such as RF locating, the same NRI will apply to the three processes. However, in the case of craftwork, separate NRIs will cover the unique steps associated with UPR, iUPR, and SPR.
- Procedures created to be used with prototype technology or development of best practices are addressed through Process Developments (PDs), issued through Novinium’s Engineering department. See section 2 for more details.
- NRI updates and other important information are announced through Engineering Bulletins (EBs) that Novinium’s Engineering department emails to Novinium employees. See section 3 for more details.

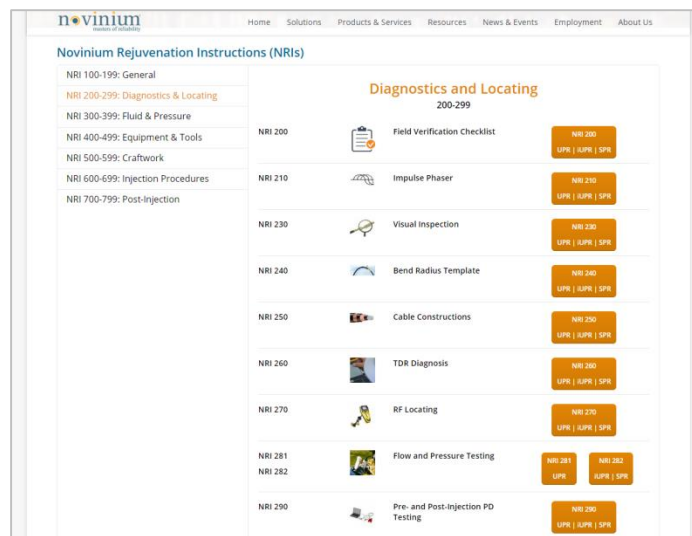
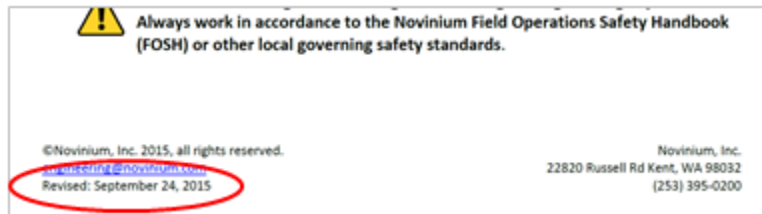


Figure 1: NRI table found on [www.novinium.com/nris/](http://www.novinium.com/nris/)

## 2. Availability.

- NRIs are available as downloadable PDF documents through the following locations:
  - [www.knomentous.com](http://www.knomentous.com), under the “Training” tab.
  - [www.novinium.com/nris/](http://www.novinium.com/nris/)
- NRIs may be printed out for easy field reference. However, users should always work to the most recent version of the document.
  - Revision dates are found on the bottom left of each NRI (Figure 2).



**Figure 2:** Revision date found on bottom left of each NRI.

## Process Developments (PDs)

### 1. Content.

- Process Developments (PDs) are created through Novinium’s Engineering department to explore, research, and improve the best practices outlined in the NRIs.
- PDs can come from prototype technology developed by Engineering or from exploring potential procedure improvements.
- PDs are restricted to crews asked to perform the experimental trial.
- Feedback on the procedure is entered through Knomentous.
- Collected information is analyzed, helping determine improvements to procedure and technology.
- Improvements to procedure are integrated into the NRIs and become best practice.

### 2. Availability.

- a. Contact Engineering by phone or by emailing [engineering@novinium.com](mailto:engineering@novinium.com) and explain the concept for the development.
- b. Engineering will review the concept and create a written set of procedures and/or tooling upon approval by Engineering management.
- c. A PD will be created in Knomentous and all pertinent information related to the experimental trial will be uploaded.
- d. Crews will be selected to carry out an experimental trial.
- e. Entering feedback into the PD will be available until the end of the specified trial duration.
- f. PDs on the subject are closed after a conclusion has been drawn from all experimental trials.

## Engineering Bulletins (EBs)

### 1. Content.

- EBs announce NRI procedural changes, template updates, highlight relevant important information, and answer frequently asked questions submitted to the Engineering Help Desk from the previous month.
- EBs are two page documents sent from Novinium’s Engineering department to Novinium Operations employees.
- 4 to 6 topics are highlighted, discussed briefly, and accompanied by pictures in each issue.

### 2. Availability.

- Novinium’s Engineering department sends an email containing the EB to all Novinium Operations employees.
- EBs are also available on [www.knomentous.com](http://www.knomentous.com) under the “Documents” tab in the “Engineering News” folder.
- EBs are typically distributed during the last week of each month.