

RippleDown Web Validator Guide

This Web Validator guide provides detailed information on the installation of RippleDown for:

- Reviewing a Case
- Show Conditions for the interpretation
- Approving the interpretation
- Referring a Case
- Skipping a Case
- Previous Cases
- Deleting a Case
- Finding a Case

More information regarding RippleDown, including training modules and product help, can be found at:

www.pks.healthcare/support

Overview

RippleDown Web Validator is a web-based component of RippleDown used for reviewing cases and their interpretive reports before they are released back to the Online Information System.

Before approving a report, a RippleDown Validator user is able to edit and correct a report if required. Depending on the RippleDown installation, some projects can be set up to use the RippleDown Web Validator, whereas other projects may use the validation facilities provided by the Online Information System.

Step-by-step guide

- Double click on the RippleDown icon, then select 'Report Validator (web)' from the menu.
- Enter your username and password.

RippleDown Web Validator can also be accessed by going to the address: <http://SERVERNAME:9023/validator/#/login>

Main screen

When Validator opens, the main screen will show the list of queues within the knowledge base. There will be at least one queue for each project.

A number of queues can also be setup for projects, for example special-purpose queues allow particular types of cases to be grouped together. There may also be queues corresponding to users who have had cases referred to them by other Validator users. These special-purpose queues will only appear if there are cases waiting in them to be reviewed.

In addition to the queues that are designed for reviewing cases prior to their release to the Online Information System, there may be 'Copy' queues for the independent offline review of some or all cases.

Each queue will show the following information:

- The project name.
- The name of the queue within the project, e.g. the user name for a referred queue.
- The number of cases waiting in the queue.
- Any users that are currently reviewing the cases in the queue.



Note: several users may review the same queue simultaneously, however the RippleDown server will ensure that a particular case will only be reviewed by one user.

Reviewing a Case

To begin reviewing cases in a queue, select the relevant queue and then press the 'Review' button. This will activate a new screen - the Validator Case Viewer - in which individual cases within the queue will be presented for your review.

The screen will contain the following information:

- A view of the data in the case.
- The report given by the Knowledge Base.
- Any internal comments given by the Knowledge Base.
- Any notes added by another user (if this case has been referred)

Buttons for working with the case.

	7 Jun 13	28 Dec 13	7 Jul 14	23 Feb 15
WBC	11200	11200	11200	11200
RBC	FLD	FLD	FLD	FLD
Hb	115-125	134	132	137

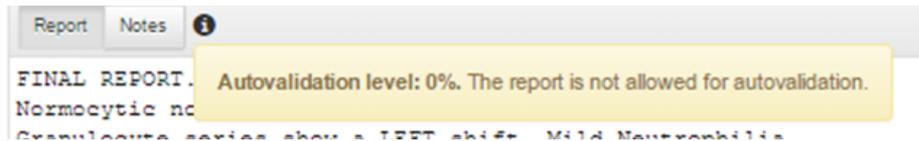
Report Notes: Previously within normal limits. Raised globulins. Liver enzymes remain within normal limits. Significant increase in globulins may be polyclonal (reflecting infection or inflammation) or monoclonal (due to a paraprotein). Suggest repeat liver function tests with serum protein electrophoresis, to clarify. Iron studies to follow. [Caeruloplasmin](#) also to follow.

Reason for reviewing current Case

The reason why current particular case was queued to the Validator will be shown by hovering your mouse over the  icon just above the report

Reasons for review include:

- The report has not yet been approved for autovalidation.
- One of the report sections has not yet been approved for autovalidation.
- The report has an autovalidation level of less than 100%.
- There is an autovalidation setting given for the case, with a level of less than 100%.
- The report has an internal comment.
- The report has an unevaluated expression or an untranslated comment.



Show Conditions for the Interpretation

The conditions used in the Knowledge Base to add the individual comments to the report can be viewed by selecting the “**Show conditions...**” key above the report. The individual comments will be listed on the left hand side of the window with the conditions used for that comment listed on the right.



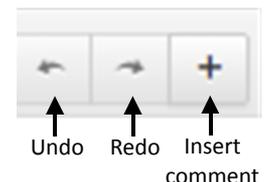
Approving the Interpretation

If you are satisfied that the current report is suitable for release, simply press the ‘**Approve**’ button which will send that report back to the Online Information System with a flag indicating that the report is ready for release.



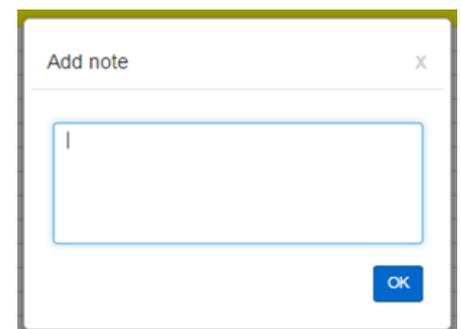
If the current report requires modification before it can be released, simply edit the interpretation as required.

If a complete comment needs to be added, you can select one from the list of existing comments using the ‘**Insert comment**’ button. While making changes to the report, you have access to the ‘**Undo**’ and ‘**Redo**’ buttons to help with the required changes.



Once the edited report is ready for release, press the ‘**Approve**’ button. You will then be asked to give a reason why the report was changed. Once you press ‘**OK**’, the edited report will be sent back to the Online Information System with a flag indicating that it is ready for release.

A copy of the case - with your reason for change - will be sent to the ‘**Rejected**’ queue in the Knowledge Builder. The Knowledge Builder user will then be able to update the Knowledge Base (i.e. the project) so that subsequent reports for this type of case will be correct.



Once you have approved a report, it will immediately be sent back to the Online Information System. If you believe that you might have mistakenly approved an inappropriate report, contact your System Administrator immediately.

Referring a Case

If there is another Validator user who should check the report, the case can be referred to that person's queue. Click the 'Refer' button and then select a specific user's queue.

Your IT administrator can associate email addresses with each user so that the user is informed by email of the arrival of a case in their queue.



Skipping a Case

If you wish to deal with the case at another time (e.g. when some pending tests have been completed), you can press the 'Skip' button. The case will be available next time you review the queue. The latest version of the test results will be shown at that time.



Previous Cases

Press the 'Previous' button to look at cases you have previously approved, referred or skipped in this particular queue in the current session. Please note, you will not be able to change a report that you had previously approved or referred.



Deleting a Case

Press the 'Delete' button to delete a case. Note, this will mean that the corresponding report will not be sent back to the Online Information System.



Finding a Case

By default, cases are presented for review in the order they are received into RippleDown. If you want to review a particular case that you believe is in this queue, enter the name of the required case into the search bar located at the top of the screen. You can also select it from the drop-down list that appears once text is added to this field. Once the required name has been selected, click the  button to review the case.



Logging out of the queue

When a Validator user starts reviewing a queue, a batch of up to 10 cases is immediately sent from the RippleDown Server to the Validator session as a "buffer." This is done so that when the Validator user approves a case, the next case can be shown immediately without having to ask the RippleDown Server for another case.

As the Validator user approves cases, the RippleDown Server automatically tries to keep the Validator workstation buffer full of cases. Once you have finished reviewing cases on a queue, it is important to close the queue by clicking the 'Logout' button. Any cases that have been queued to you but not yet reviewed, will be returned to the RippleDown server and so will be accessible by other users. A Validator session will automatically logout if the user is inactive for a specified amount of time.

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About PKS

Pacific Knowledge Systems (PKS) works with healthcare organizations around the world to better capture, manage and leverage their human expertise to improve the performance of their business and deliver better patient outcomes.

PKS owns a patented, new generation clinical expert intelligence system – RippleDown – which integrates patient data with a knowledge base that is managed by clinical domain experts, to deliver patient-specific reports, recommendation and alerts.