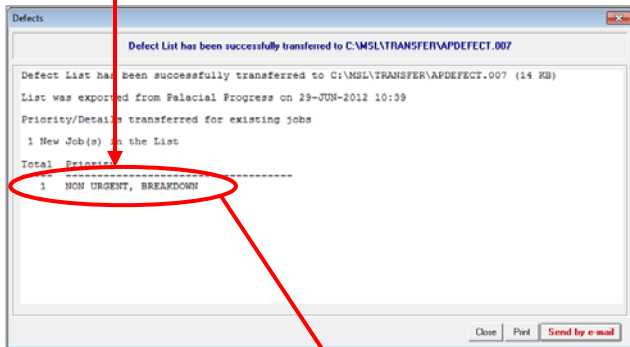


### Defects Reported Onboard

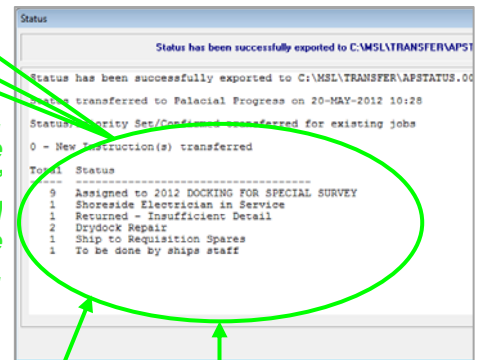
Recording defects onboard is done in the same way as it is in the 'standard' REFMAN Shipboard Defect Recording module (See separate sheet). Briefly, for each defect, **ship's staff need to:**

- Type a brief heading for the defect.
- Assign a 'Priority' to the defect.
- Type a few words against the prompts in a standard form.
- 'Tick' any relevant Tag codes.

Defects reported onboard are then transferred to the office.



Defect Status, Planned Date & any 'Notes' transferred back to the Ship.



Notes from the 'Office' to the 'Ship' appear yellow and appear purple if they are from the 'Ship' to the 'Office'.

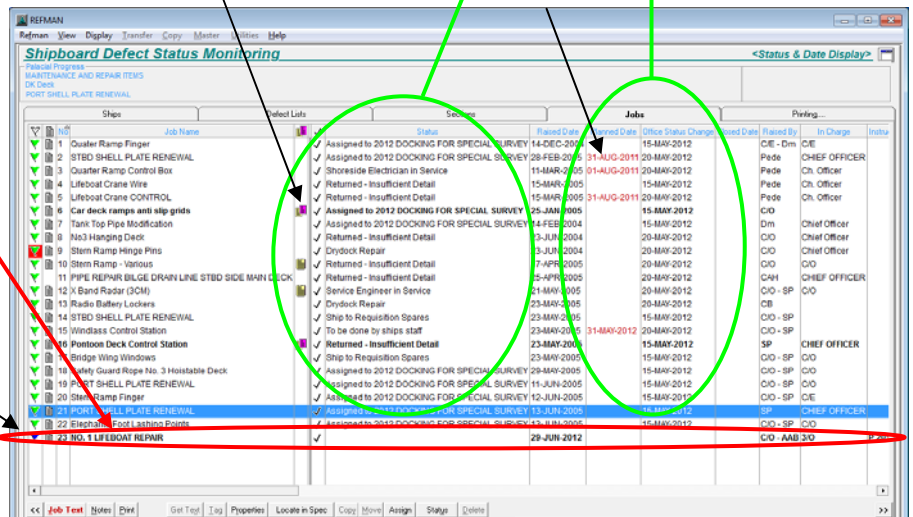
'Planned Date' appears red if overdue.

### Defects Monitored in the Office

Defects transferred to the office are automatically added to the "office copy" of the ships defect list.

Superintendent reviews new defects and sets a status to indicate how each one is to be dealt with.

New defects appear in bold typeface to indicate they have not been read along with a coloured flag to indicate the priority assigned by the ship's staff.



### Overview

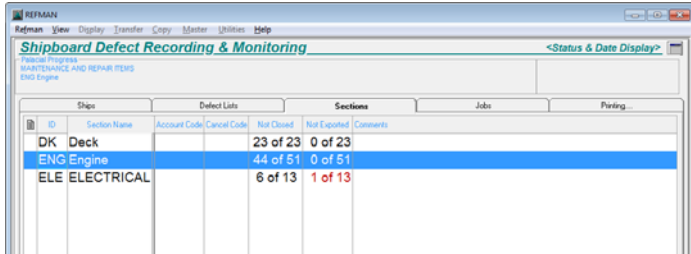
Makes Shipboard Defect Recording a "two-way" process rather than the "one-way" operation when REFMAN's original Shipboard Defect Recording module is used alone. Defects are reported onboard using REFMAN's Shipboard Defect Recording module as before except that now the ship must also assign a priority to each defect. Defects are transferred to the office where they can be reviewed, assigned to a specification or have a status and planned date assigned to indicate how and when they are to be dealt with.

The status, planned date and any 'notes' explaining why a particular status has been assigned are then transmitted back to the ship. This provides the ship with confirmation that the reported defects have been received as well as providing positive feedback about how and when each one is to be dealt with. As Defects are rectified they are marked as complete by ship's staff along with a date and code to indicate how and when they were actually dealt with. In this way both office and ship can see the current status of every reported defect.

## REFMAN–Shipboard Defect Reporting Onboard.

Onboard, ship's staff have access to all the normal facilities provided by the standard REFMAN Shipboard Defect Recording Module, including:

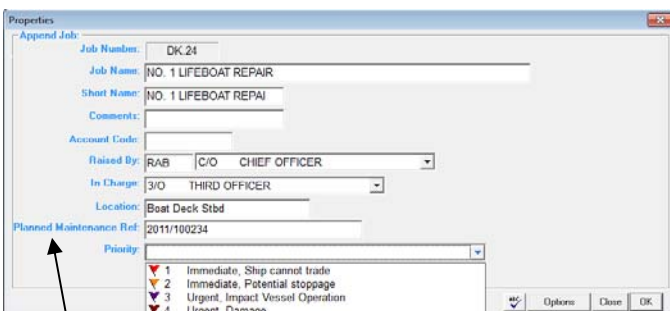
- Pre-defined sections for ease of use and ease of printing.



The number of defects waiting for transfer to the office is shown in red.

- On screen forms to ensure that ship's staff are always prompted to provide a full description of every defect.
- Simple to use defect-writing facilities with drawing tool for line drawings, sketches and annotating photographs and other scanned images. Files can also be attached.
- Easy to use save and recall facilities that allow defects to be added amended or cancelled at any time.
- Automatic numbering of defects as they are added to a defect list.
- Tag' codes to provide defects with a succinct summary of the job contents and to enable defects to be grouped into work lists or 'mini-specifications'.

Additionally, each time a defect is recorded onboard, ship's staff are prompted to assign a priority:



Can also be used in conjunction with an interface to your PMS.

Defects are then transferred to the office in the normal way. After the defects have been processed in the office, the ship will receive a status transfer that updates the defect list to show how and when the Superintendent has decided to deal with each of the reported defects.

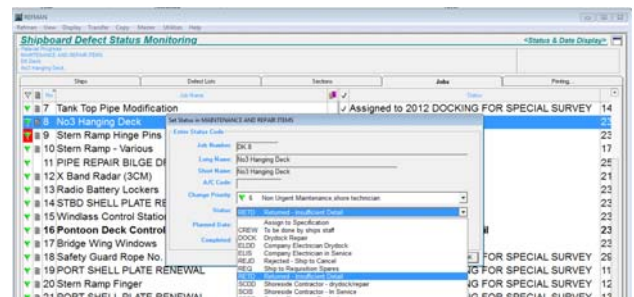
If the status of a defect changes before it is rectified, both the ship and office copy of the list are updated to keep everyone informed. Once a defect has been rectified, the ship marks it as complete, records the date it was completed and assigns a 'user-defined' completion code to indicate how it was actually dealt with.

## REFMAN–Shipboard Defect Status Monitoring in the office.

In the office, the Superintendent has access to a complete copy of the ships defect list which is updated each time the ship makes a transfer to the office. When new defects are received these are reviewed by the Superintendent and then processed.

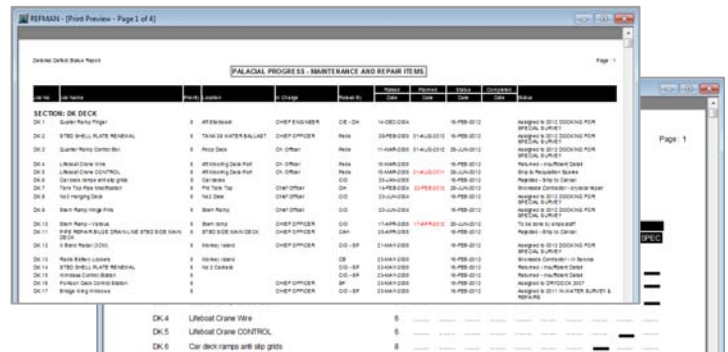
Defects that are to be dealt with during a Refit or Drydocking are assigned to a Specification as normal, but doing this also sets a status in the Defect List showing exactly which specification it has been assigned to.

Defects that are to be dealt with in service which do not need to be assigned to a specification can still have a 'planned date' and a 'user-defined' status code assigned to indicate how they are to be dealt with. A status can also be used to instruct the ship to 'cancel' an item or request that they send more detail about a particular job.



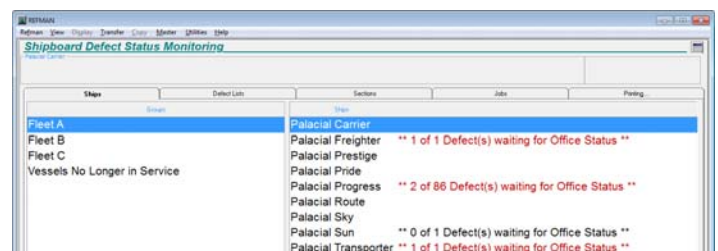
The Superintendent can also attach notes to a defect to give the ship instructions or further explanation and can also amend the Priority that was assigned by the ship.

At any time, the status, planned date, amended priority and any 'notes' can be transferred back to the ship.



Status reports that can be used by both ship and office to track the status of defects.

Reports can be generated in the office showing the defect status for a single ship, a group of ships or the entire fleet.



The number of defects waiting for action by the office is shown in red.

System Requirements: As per REFMAN's Shipboard Defect Recording or Specification Generator module as appropriate.

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