

PANASONIC APPLIANCES AIR-CONDITIONING MALAYSIA

Printing Part Monitoring System



HANODALE TECHNOLOGIES SDN BHD

1 PROJECT SCOPE (HIGH LEVEL)

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1.2 OUR UNDERSTANDING OF CUSTOMER REQUIREMENT

Panasonic Appliances Air-Conditioning Malaysia using Manual procedures for pre & post inspection flow of printing parts, which are delivered by supplier.

The issues of current manual procedures includes:

1. Insufficient time for inspection of printing part- maximum lead time given less than 2 days.
2. Manually trace back serial number inspection record provided by Ordering department
3. Miss- communication between Quality Assurance (QA) department and Material Management (MM) department (after & before inspection).
4. Take long time for trace back inspection data record and part number.

The Printing Part Monitoring System will facilitate QA Users to manage the pre & post inspection flow of printing parts with serial number tracking

The Objective of Printing Part Monitoring System includes:

1. Reduce time lead for inspection.
2. Create system to faster trace back the serial number.
3. Reduce 100% Miss- communication between MM & QA by create one medium for both party verify the status of inspection.
4. Create system to alert QA member the inspection status.

1.3 PROPOSED SOLUTION

We are proposing a Web based application built on ASP.Net, MVC framework 4.5 and HTML 5, providing an integrated and collaborative environment and covers all the requirements of System as given by Panasonic Appliances Air-Conditioning Malaysia. The system will have the following modules and functionalities.

1.3.1 MASTER SETUP MODULE

1. Ability to setup user, user roles and permission
2. Ability to setup financial institute master information, branch, contact person & relevant details
3. Ability to manage administrator settings
4. Ability to manage approval configurations

1.3.2 PART MODULE

1. Ability to register parts & barcode information
2. Ability to search parts & manage part details.
3. Ability to perform manual/ automated periodical uploads of the following files coming from various systems:
 - Serial Number & e-sample information (format: xls & mdb)
 - Barcode Information for Part C Category (format: txt)
 - Receiving Information (format: txt)

1.3.3 INSPECTION MODULE

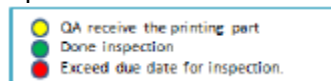
1. Ability to inspect the part by scanning the barcode and capture the inspection details.
2. Multi-level approval flow for inspection report.
3. Ability to view, print & email the inspection report.

1.3.4 REPORT MODULE

1. Ability to generate, print, export the below reports in .pdf, .doc, .docx, .xls, .xlsx,
 - a. Inspection Report
 - b. Inspection Summary Report

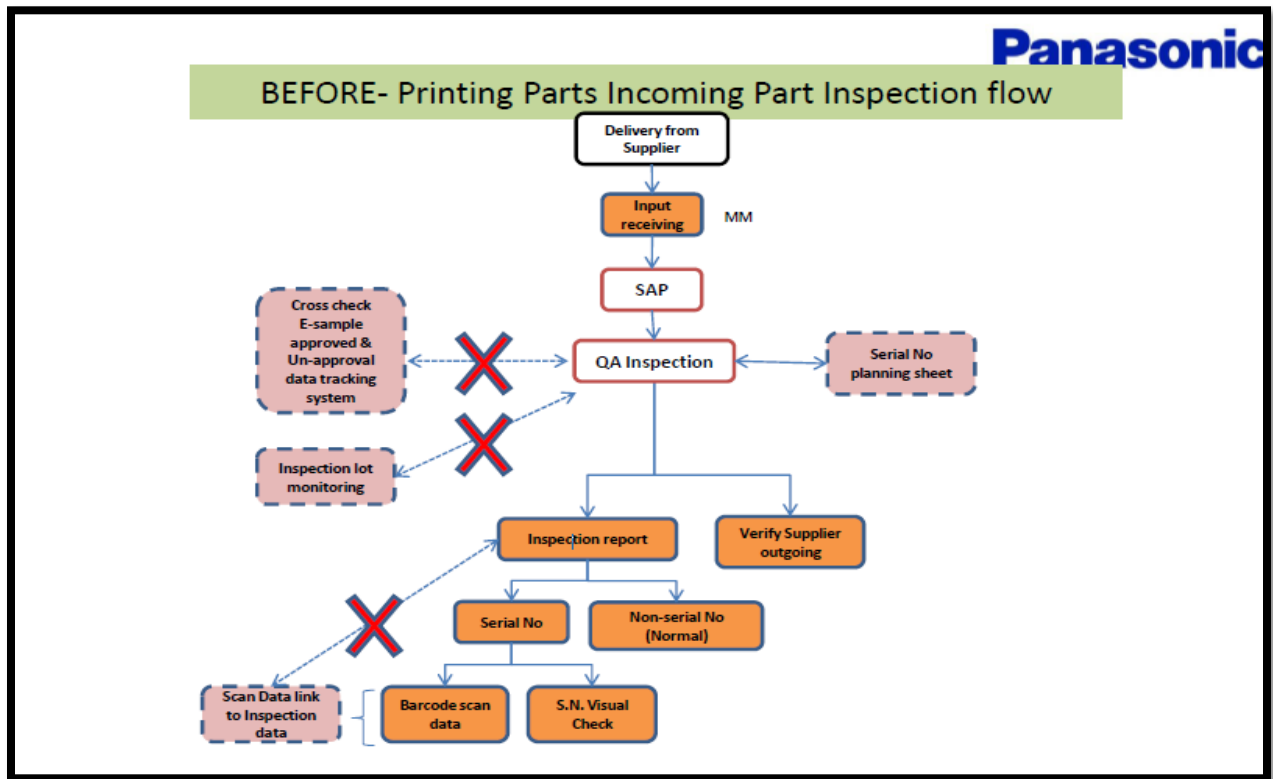
1.3.5 DASHBOARD MODULE

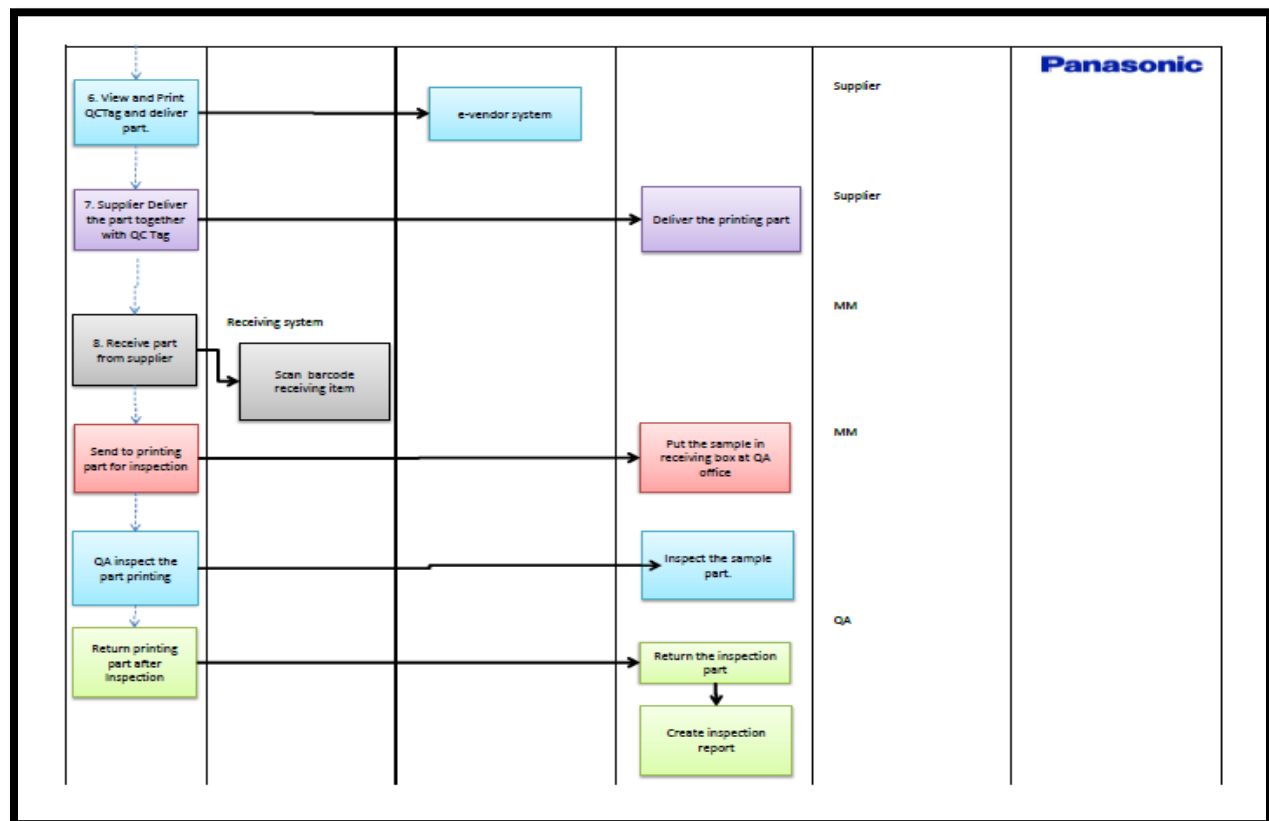
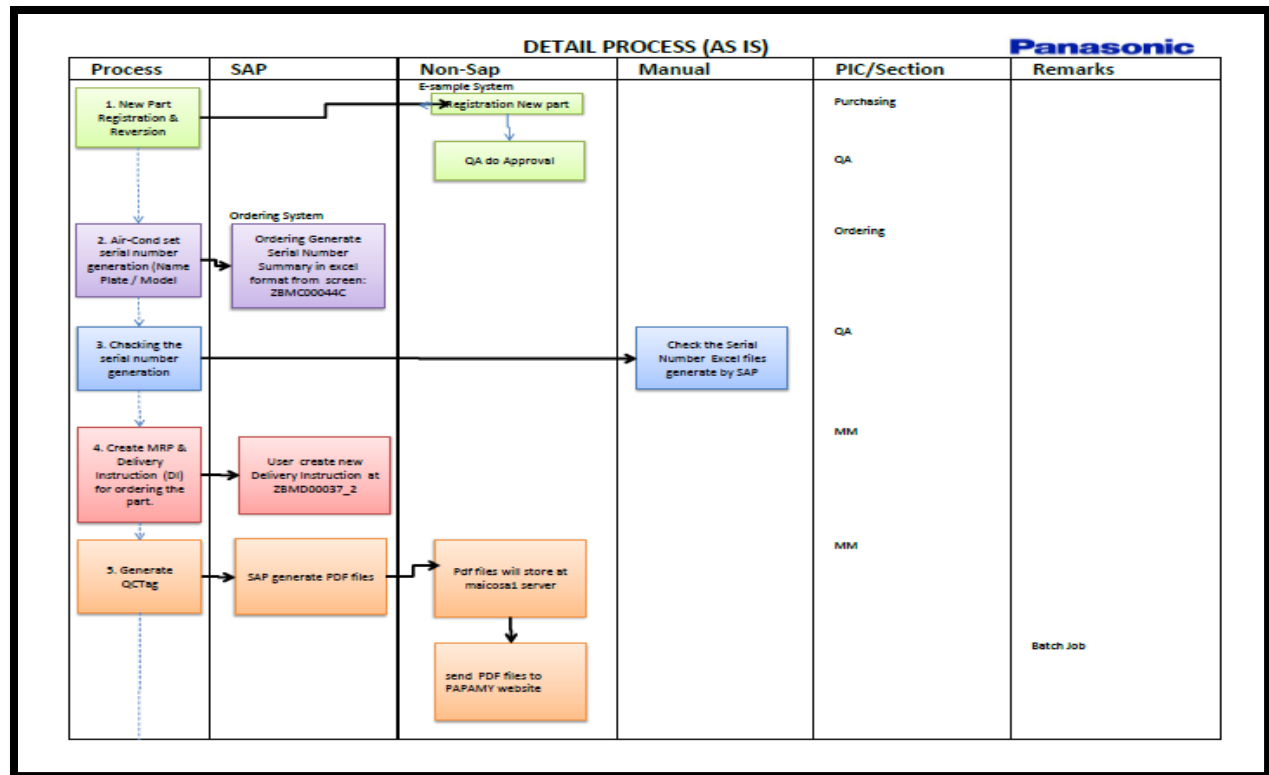
1. Ability to generate notification for the below
 - a. Expired Date Alert based on Traffic Light Visuals:



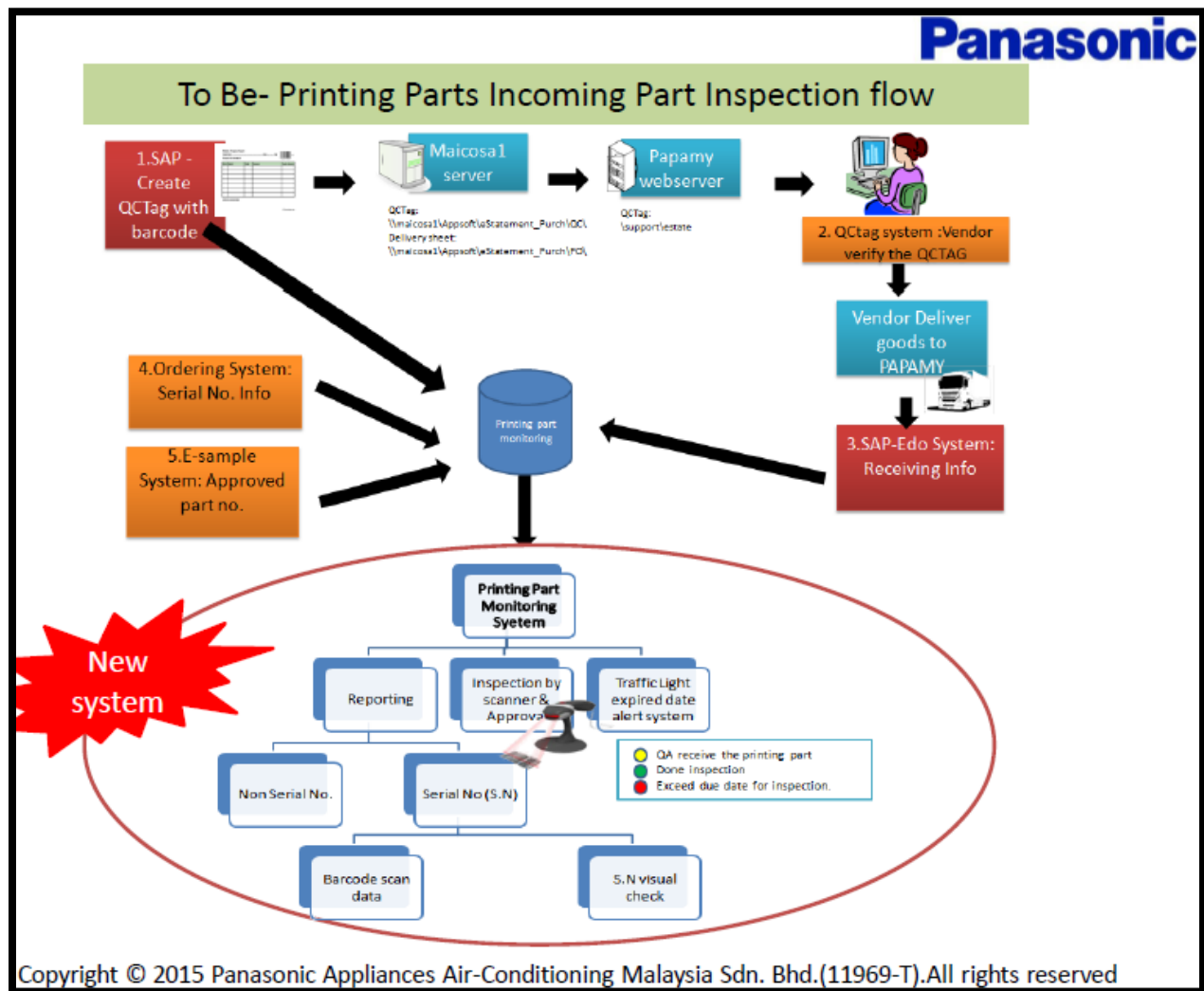
- b. Pending Inspection
- c. Pending Inspection Approval

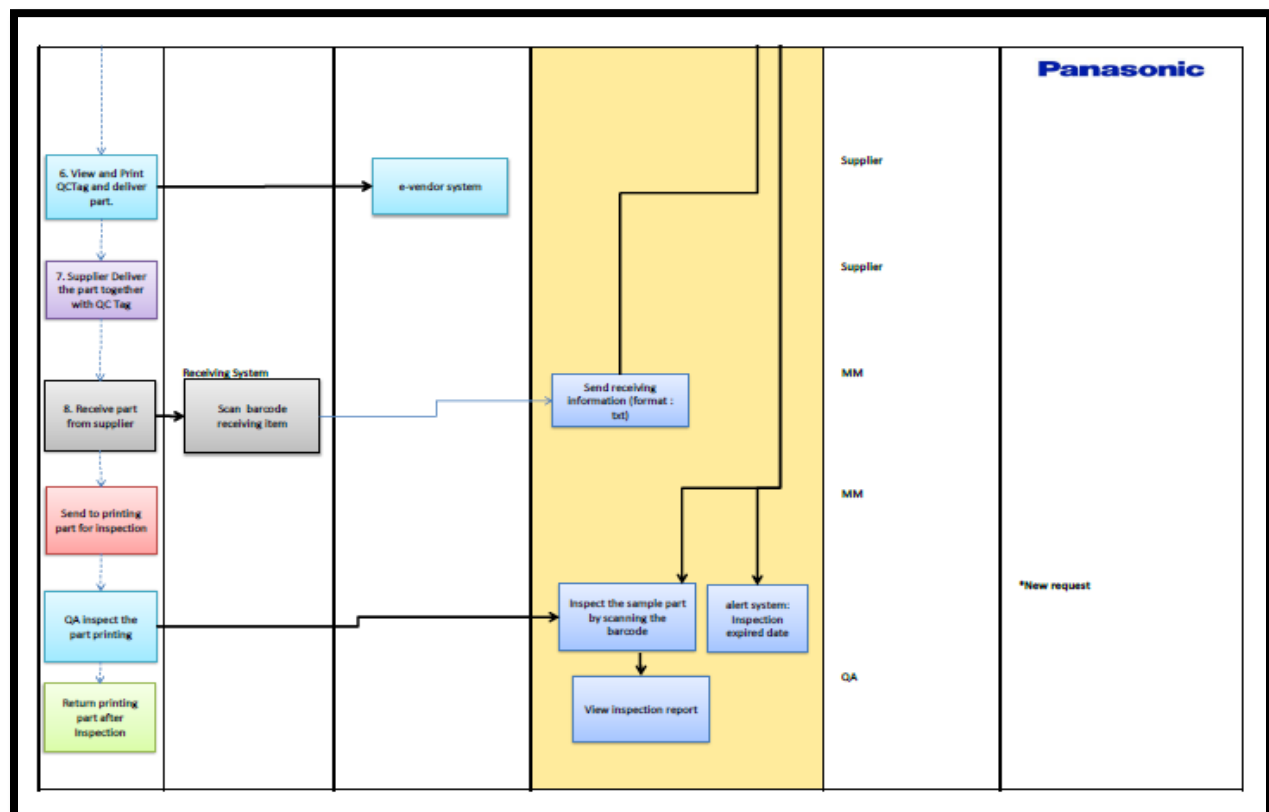
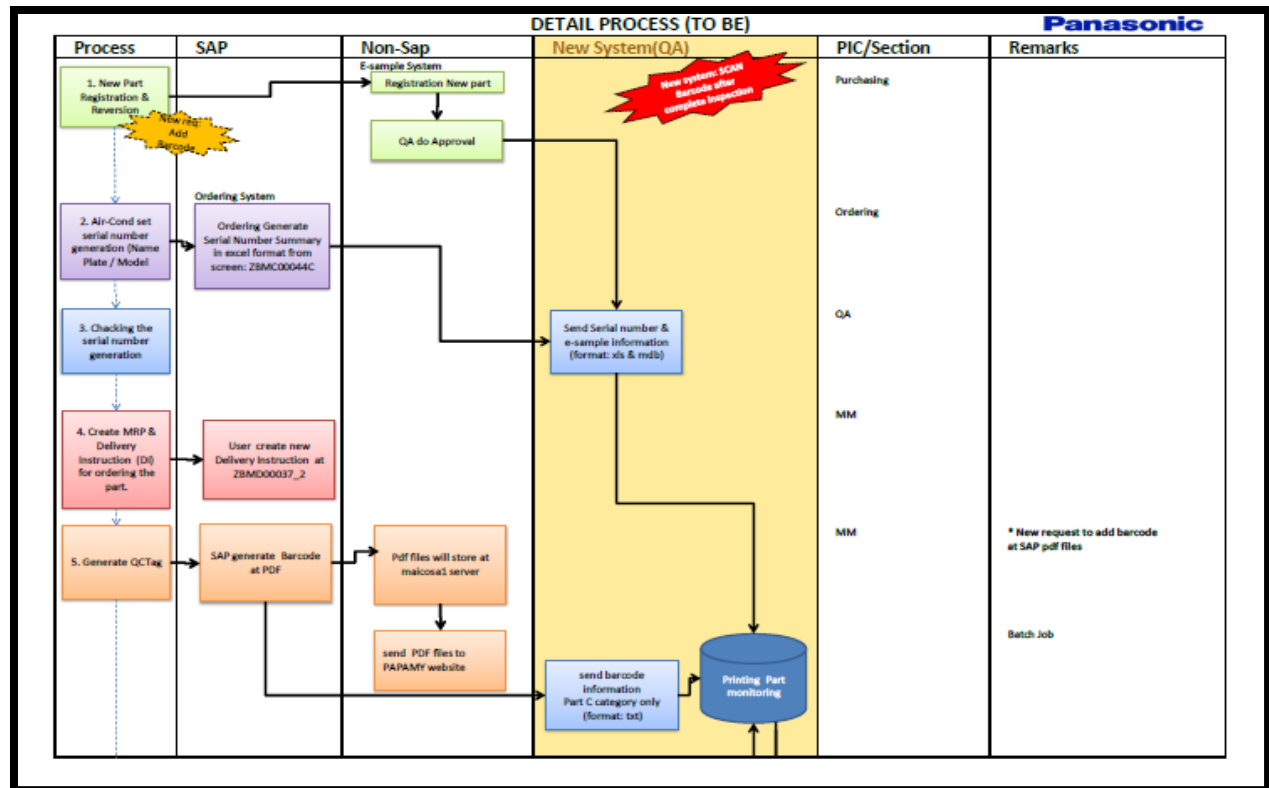
2.5.4 CURRENT PROCESS AS IT IS





2.5.6 NEW/PROPOSED PROCESSS





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