JRA1 Quality Control update

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QC work towards EMI 1

- Most of JRA1 work in the first year was on QC

  - Porting the building of software on the ETICS following Integration policy

  - Repackage software according to Packaging policy

  - Test and certify software according to the Testing and Certification policy

  - Reorganize documentation to be compliant with the EMI documentation policy

- A lot to do in a very short time!

EMI 1 QC review

- 57 components' tasks verified by the QC task force
    - 5 people from JRA1, SA1, SA2 coordinated by G. Fiameni (SA1 QC Task leader)
    - April, 15th → May, 10th
    - Focus on certification review
        - Documentation review done by SA2 and NA2
    - Data gathered using google docs
        - Automatic generation of reports out of the shared spreadsheet

EMI QC Report

Component Name *

Savannah Task ID *
19732

EMI Major Release *
EMI 1
EMI 1

Platform *
SL5
SL5

Author *
Andrea Ceccanti

Date of the verification *
MM/DD/YYYY

Summary

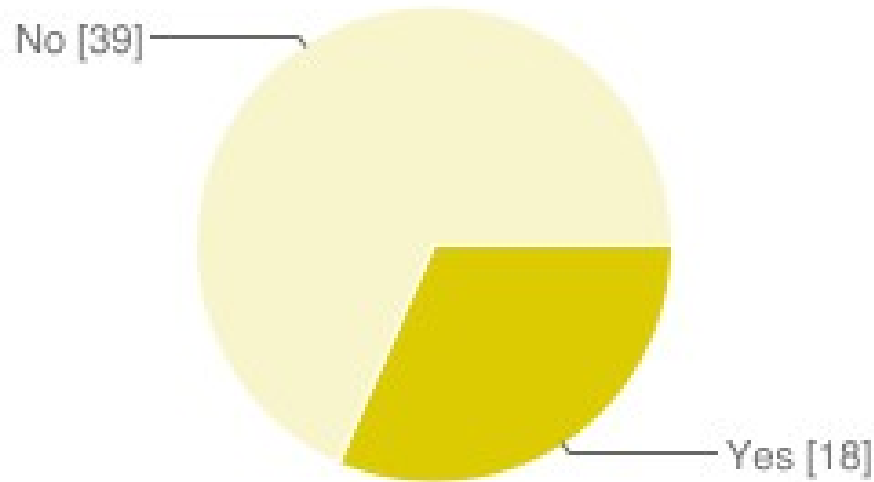List or RfCs *
Are RfCs available?
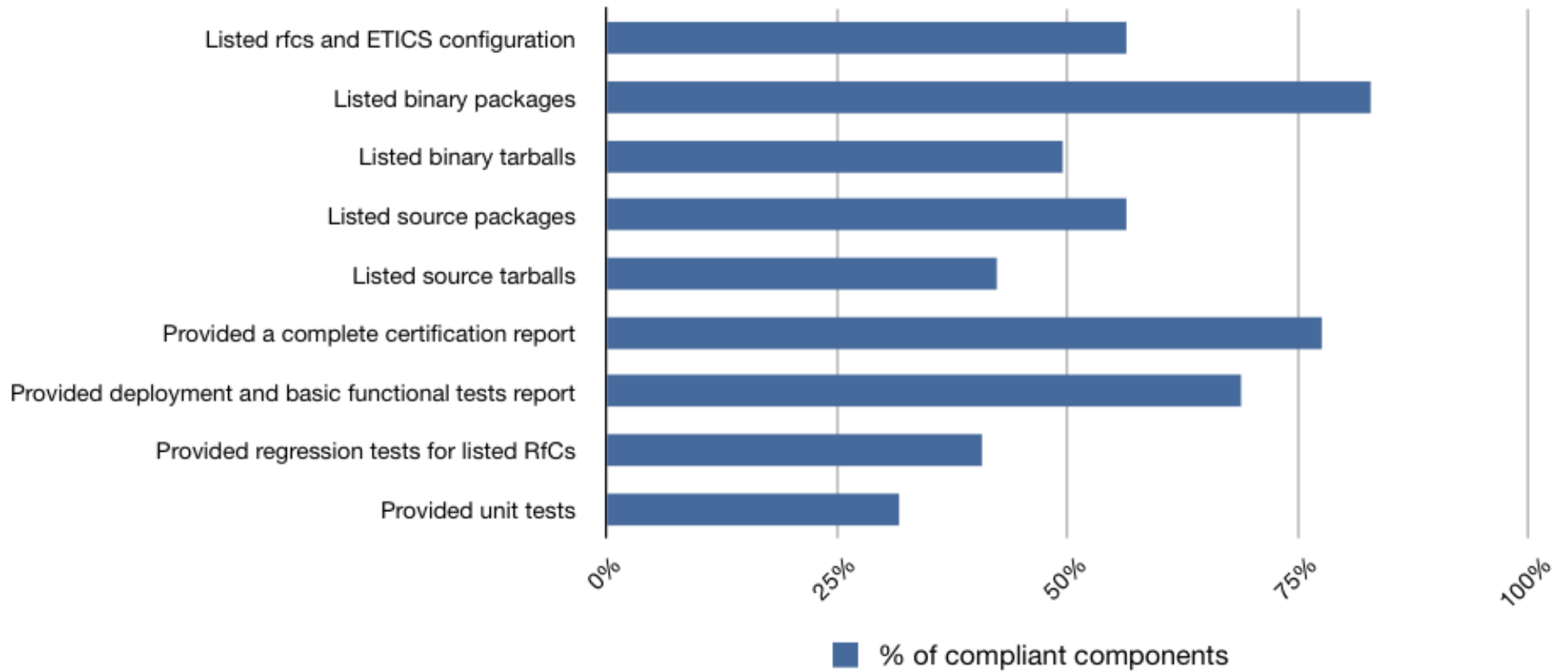○ Yes
◉ No

ETICS configuration and VCS TAG *
○ Yes
◉ No

Results

Does this component comply with production release criteria so to be considered really verified?

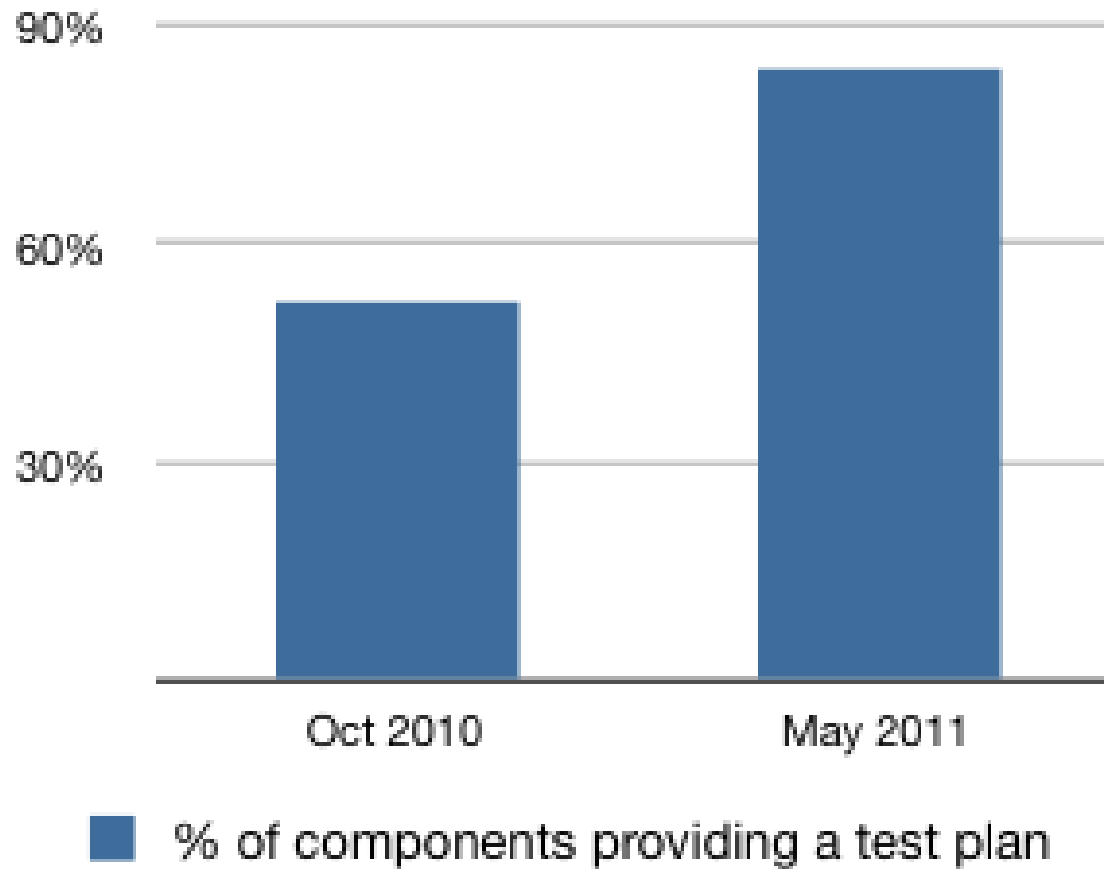|		
Yes	**18**	32%
No	**39**	68%

No [39]

Yes [18]

- Most components failed the QC review
  - No clear understanding of the process?
  - Policies too strict for EMI 1 release?
  - QA not perceived as important?

EMI 1 QC Review summary

Test plan availability

- Some good news!

JRA1 QC recommendations

- Improve PT awareness of the quality process

- Review the policies considering the lessons learned in EMI1 and PTs feedback

- **Do not** release components which fail the QC review

  - But requirements on what has to be provided has to be realistic!

- Define realistic thresholds for key code quality metrics for EMI 2 ASAP

  - PT don't love late policies

- Provide tools to QC to actively monitor the evolution of quality metrics

- Improve build tools documentation, stability and performance

Thanks!