



ISO/TC 130/WG 3 N 991

[ISO/TC 130/WG 3](#)

Process control and related metrology

E-mail of Secretary: karin.winkelmann@din.de

Secretariat: DIN

Chung PSA Update v3a

Date of document	2010-10-11
Expected action Due Date	Next Meeting 2010-10-11
Source	ISO/TC 130/WG 3 (Robert Chung)



RIT Printing Standards Audit (PSA)

A report of the US certification activities

Bob Chung, RIT
October 13, 2010

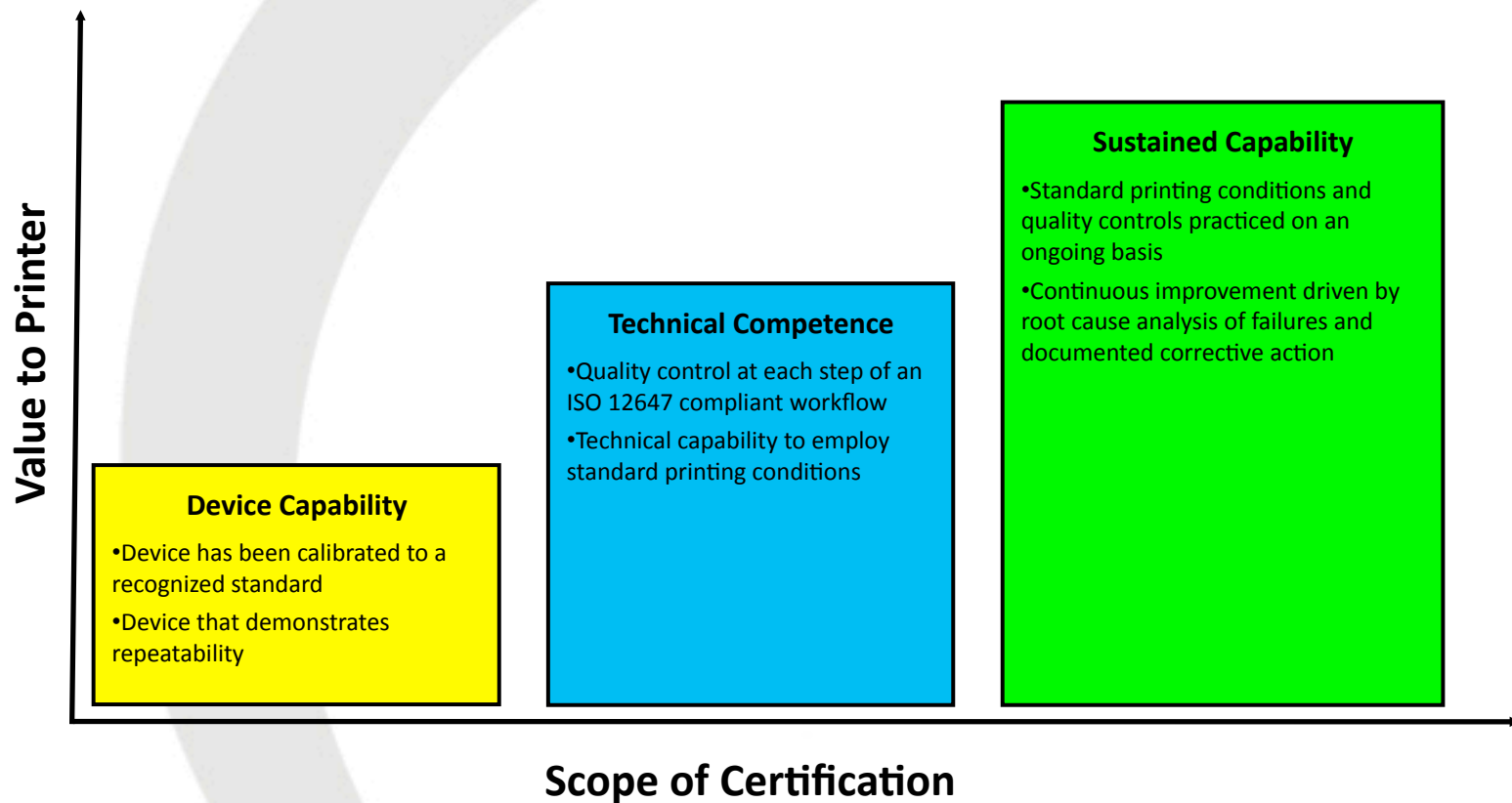
ISO/TC 130/WG3, Sao Paulo, Brazil

v3a

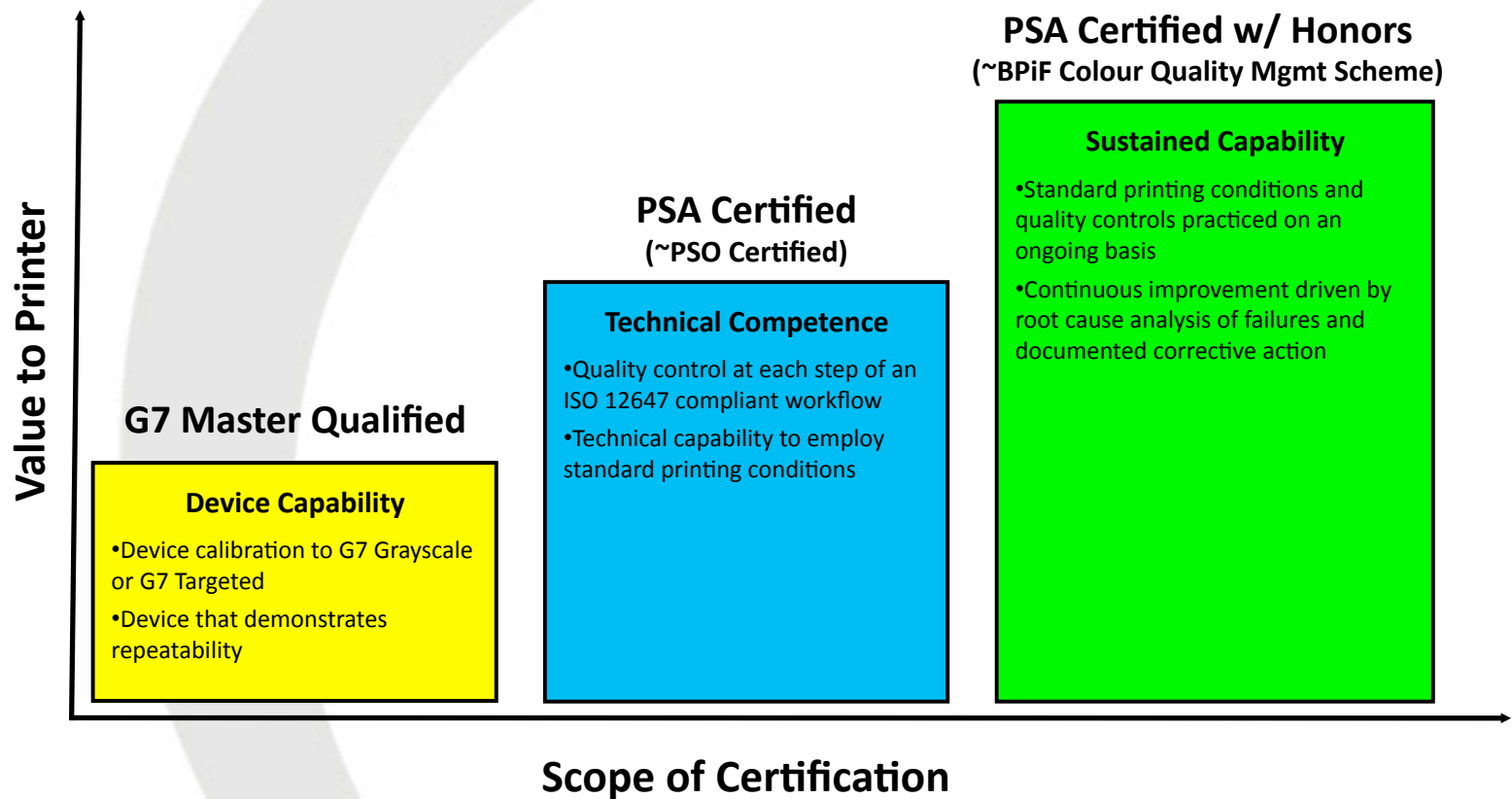
US Certification Activity

- RIT's Printing Standards Audit (PSA) initiative is the centerpiece of US certification activity.
- PSA certification is designed for compatibility with all well recognized printing standards.
 - PSA will be launched to certify ISO 12647-2 compliant workflows.
 - Extension to cover certification of printers to the proposed Process Agnostic Standard (ISO 15339) is planned for 2011.
 - Three levels of certification are recognized:
 - Devices capable of operating in a standards compliant workflow
 - Organizations technically capable of operating a standards compliant workflow
 - Organizations routinely practicing and continuously improving a standards compliant workflow

Three Levels of Process Certification



RIT/IDEAlliance Certification Levels



RIT's Role

- RIT role is limited by the requirements of ISO 17021 (Conformity assessment – Requirements for bodies providing audit and certification of quality management systems).
 - RIT relies on IDEAlliance to address implementation side of the certification process.
- ISO 17021 establishes two sets of requirements for certifying bodies:
 - Credibility
 - Certification process requirements

Credibility Requirements

- To be credible certifying bodies must demonstrate:
 - Impartiality
 - Competence
 - Responsibility
 - Openness while maintaining Confidentiality
 - Responsiveness to Complaints
- RIT's position as an independent academic institution with no consulting practice allows it to meet ISO 17021's stringent credibility requirements.

From Credibility to Accreditation

ISO Credibility Requirements vs Accreditation Alternatives						
Scope of Accreditation	ISO	Impartiality	Competence	Responsibility	Openness & Confidentiality	Responsive To Complaints
Testing Lab	17025	✓	✓	---	✓	✓
Product Cert	Guide 65	✓	✓	✓	✓	✓
Mgmt Sys Cert	17021	✓	✓	✓	✓	✓

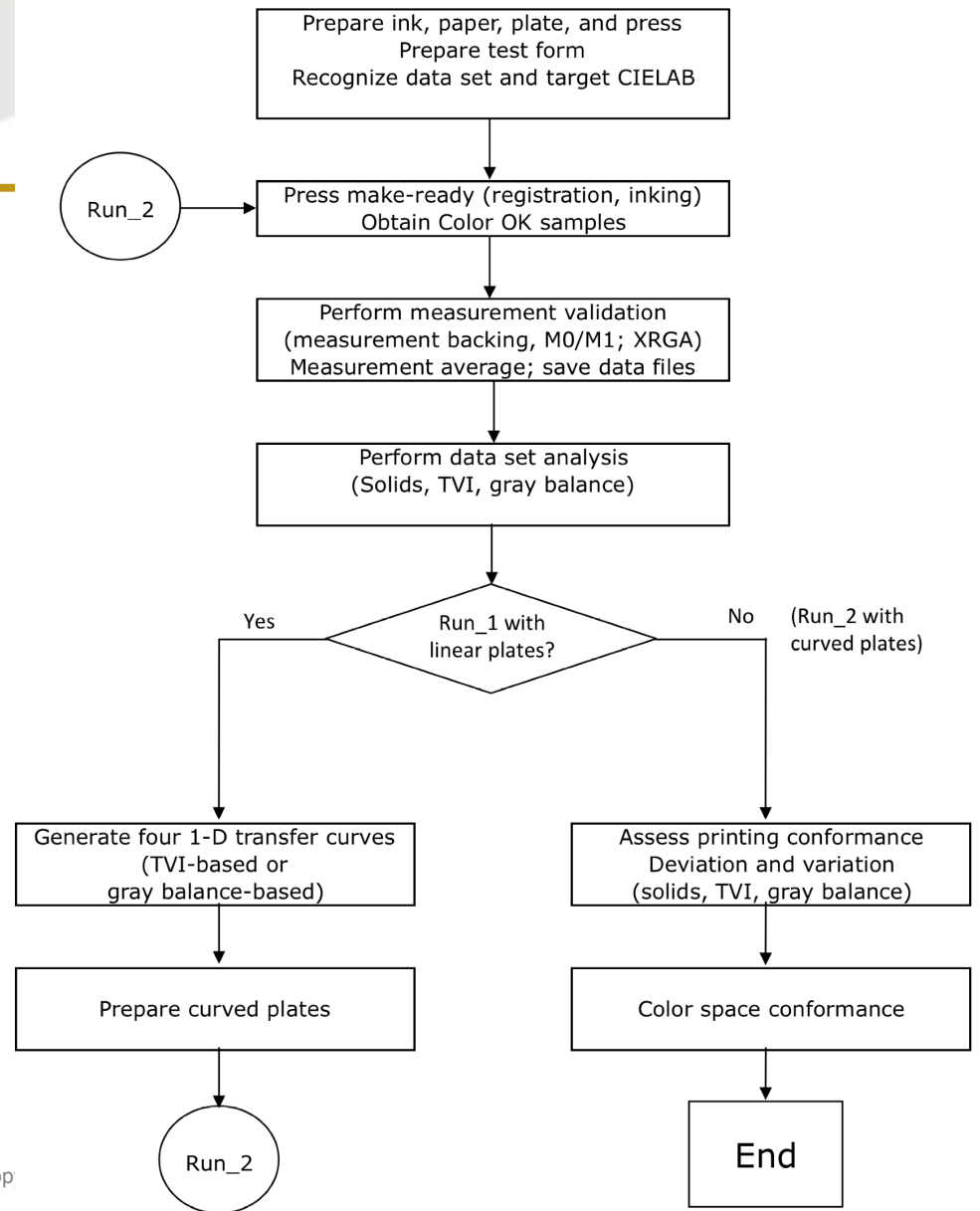
Certification Activities

1. RIT's Print Standards Survey

- During May and June 2010, RIT conducted a global survey to:
 - Understand how standards are being used in the market
 - Identify unmet needs (pain points)
 - Validate market interest in process certification
- 117 companies completed the survey (including 90 printers)
- Final report to be presented during the Nov 18th PIC meeting
- Survey Findings (Examples)
 - 80% of printers calibrate their presses to a recognized standard
 - The mismatch between ISO 12647 papers and commercial papers containing high levels of optical brighteners is a major pain point
 - Nearly 60% of the printers are interested in obtaining process certification by yearend 2011. No single certification scheme is preferred worldwide.

Certification Activities

2. Press calibration and data analysis procedures for assessing conformance to ISO 12647-2 are being developed and tested.



Certification Activities

3. Many TC130 members have generously shared their knowledge with us.
 - Special thanks to IGT, Fogra, bvdm, BPiF, UNIC, and Ugra
 - A schema for assessing sustained conformance to ISO 12647-2 is being discussed.

Certification Activities

4. *PSA with Honors* recognizes two approaches to Printing Quality Management System certification:
- ISO 9001: For printers who already have an ISO 9001 Quality Management System, the requirements of *PSA with Honors* can be satisfied by embedding printing standards requirements in the existing ISO 9001 framework.
 - Printing Quality Management System: For printers who do not have an ISO 9001 Quality Management System, the requirements of *PSA with Honors* can be satisfied by implementing a Printing Quality Management System covering just those elements required to assure sustained operation in conformance with the relevant printing standards.

Recommendation To TC130/WG3

- An internationally recognized set of requirements for a Printing Quality Management System does not currently exist, although the BPiF Colour Quality Management System addresses many of these requirements on a national basis.
- We, therefore, propose that TC130 takes on the task of documenting the requirements for a Printing Quality Management System.