

PROPOSAL FOR A NEW WORKING GROUP (WG)

Name of WG¹:	Breast Tomosynthesis QC Protocol
Parent Committee(s)²:	Scientific Committee
Keywords³:	Breast tomosynthesis, Quality assurance, Quality control, Radiology, QA, QC
Chair(s)⁴:	Ruben van Engen (NL)
Expected outcome⁵:	A Breast Tomosynthesis QC Protocol document which will provide recommendations for the medical physics community (EFOMP & NMOs).
Target audience⁶:	EFOMP members / NMOs, medical physicists, radiology professionals, vendors.
Rationale⁷:	To develop a QC protocol for DBT systems. It is envisioned that this protocol could prevent the proliferation of other testing protocols with diverse methods of measurement and limiting values. The DBT QC protocol should incorporate the new universal breast dosimetry model which is in development by a joint AAPM-EFOMP WG. Additionally, task-based image quality methods are planned to be included into practical QC procedures by the WG.
Coordination⁸:	Coordination as an EFOMP WG. The main results of another (EFOMP/AAPM) WG developing the new universal breast dosimetry will be implemented, when this development is in the final stage (just before publication). This will be achieved by keeping the breast tomosynthesis QC WG updated on the proceedings of the breast dosimetry WG, to facilitate a speedy and correct practical implementation.

This proposal form must be filled by the EFOMP parent committee chair.



Category:	WGs are classified into the following categories depending on their topic and purpose. Please choose the most appropriate.
<input type="checkbox"/>	New Horizons. The topic involves new scientific developments, methods, technology or clinical applications that have not yet emerged into clinical practice.
<input checked="" type="checkbox"/>	State of Art. The topic involves codes of practice, protocols, recommendations or guidelines for activity which are expected to become enduring practice.
<input type="checkbox"/>	Focus Area. The topic involves certain specific area of clinical interest, modality or method which may include a technical or methodological challenge to be solved.
<input type="checkbox"/>	Educational or Informational. The topic involves education or informing the members in a relevant area of clinical practise, technology, methods, research or training.
<input type="checkbox"/>	Consensus Document. The topic involves a consensus of the medical physics community on a certain area of interest that the EFOMP will endorse. This category may include e.g. safety issues or professional issues.
Members⁹:	The WG will consist of 10 members. Members will be nominated according to EFOMP official policy, after the announcement and recruitment procedure.
Consultants/Observers¹⁰:	Consultants and observers will be nominated according to EFOMP official policy, after the announcement and recruitment procedure.
Funding¹¹:	Efomp will sponsor four WG face-to-face meetings over a two year period, the WG will use the teleconferencing facility of EFOMP for online meetings. Additional sponsoring of non-profit third parties will be sought to fund additional face-to-face meetings, if allowed by EFOMP rules.
Timeline¹²:	Initially assumed two years WG duration. Depending on the start time it could be April 2019 - March 2021.
Proposed outline of the final report¹³:	The final report will be the EFOMP Breast Tomosynthesis QC Protocol. This protocol should be applicable on systems of all vendors and should include the new universal dosimetry (as developed by an EFOMP/AAPM WG). The QC protocol should be made internally consistent based on both the new dosimetry and new methods to quantify image quality.



Legend

- 1) **Name of WG** - Including an indication of the WG type - i.e. if the WG will be a Joint WG.
- 2) **Parent Committee(s)** - Relevant EFOMP Committee.
- 3) **Keywords** - include at least 3 keywords.
- 4) **Chair(s)** - The chair of the parent committee will propose the chair of the WG.
- 5) **Expected outcome** - Description of the relevant results expected from the WG.
- 6) **Target audience** - e.g. Medical Physicists, Vendors.
- 7) **Rationale** - What is the justification and need for the proposed WG.
- 8) **Coordination** - The parent committee chair has to specify if there is a coordination or collaboration with other EFOMP Committees, WGs and/or scientific organisations.
- 9) **Members** - Proposed list of active members based on the feedback on the WG announcement from NMOs, potentially interested experts within the medical physics community and the EFOMP Board will be composed by the parent committee chair together with the proposed WG chair. The proposed member list has to be approved by the EFOMP Board. WG members have to create an efficient and optimal composition of expertise and professional coverage. WG members can be updated also later if and when needed.
- 10) **Consultants/Observers** - Proposed other WG participants who are indicated as consultants or observers. The parent committee chair together with the proposed WG chair will identify possible consultants/observers.
- 11) **Funding** - Description of the WG funding needs (meetings, etc.) and how the finances will be acquired and managed. This part is optional and can also be zero.
- 12) **Timeline** - WG timetable described by main milestones and reporting. Interim progress reporting must be provided at least in 6 months intervals.
- 13) **Proposed outline of the final report** - What should be included in order to reach the planned outcome.