

**APPENDIX C
NEW WORK ITEM PROPOSAL (NP)**

	Date of Submission : 15/09/2010
Proposer (<i>name and address</i>): Dr. Noriah Jamal Medical Technology Division , Malaysian Nuclear Agency, 43000, Kajang Selangor.	

The proposal (*to be completed by the proposer*)

Title of proposal (Indicate the subject of the proposed new work item): Radiation Protection and Performance Evaluation of PET-CT Imaging - Guideline

Scope (<i>Give a clear indication of the coverage of the proposed new work item and if necessary for clarity, exclusions</i>) This Malaysian Standard specifies the guideline on radiation protection related to the use of Positron emission tomography - computed tomography (PET-CT) scanner and the performance evaluation of the imaging device.

Purpose and justification a) the specific aims and reasons for the standardisation activity Positron emission tomography - computed tomography (PET-CT) system is one of the emerging imaging tool in the nuclear medicine department. The specific aims and reasons for the standardisation activity are to standardise the practice of radiation protection and performance evaluation of PET-CT imaging system. This standard is also required as the basis for the future development of the technology per say. b) the main interest that might benefit from or be affected by the activity Optimisation of radiation dose to radiation workers and patient in relation with the usage of PET-CT imaging system. c) feasibility of the activity (Note. Are the factors that could hinder the successful establishment or general application of the standard?) There is no known factor could hinder the successful establishment or general application of the standard. d) timeliness of the standard to be produced (Note. If now, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?) The standard is expected to remain valid for at least five years and will be reviewed from time to time to be in line with current technologies and requirements.
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<p>e) urgency date and target date</p> <p>Urgency date : There is no critical deadline for this standard. Target date : 21/10/2013</p>	
<p>f) the benefits to be gained by the implementation of the proposed standard (Note. Disadvantage(s) if no standard is established)</p> <p>The benefits are to provide: - guideline in the country for the users for optimization of radiation protection when using PET-CT imaging system; - standard practice in the country on the performance evaluation of PET-CT imaging system.</p>	
<p>g) if the standardisation activity is or is likely to be the subject of regulations or to require the harmonisation of existing regulations, this should be indicated</p> <p>This standardisation activity is likely to be one of the subject matter that fulfilled the requirement stipulated in the "Atomic Energy Licensing (Basic Safety Radiation Protection) Regulation 2010, P.U.A (46)" enforced by the Ministry of Health.</p>	
<p><small>NOTE. If a series of new projects is proposed, the purpose and justification of which is common, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual project.</small></p>	
<p>Relevant documents to be considered (<i>List any known relevant documents (such as standards and regulations), regardless of their source.</i>)</p> <p>a) Guideline for Radiation Protection and Performance Evaluation of PET-CT Imaging b) Atomic Energy Licensing (Basic Safety Radiation Protection) Regulation 2010, P. U.A (46).</p>	
<p>Participation and cooperation with other interested organisations e.g. associations, govt agencies, etc.</p> <p>TC on Diagnostic & Therapeutic Radiation (Member organisations: USM, UM, UTM, MOH, AELB, MMA, AMM, Malaysian Society of Radiographers, BEAM, NUCLEAR MALAYSIA, MMDA)</p>	
<p>Preparatory Work</p> <p>The proposer or the proposer's organisation shall confirm to undertake the preparatory work for the new work item and actively participate in development of the project.</p>	
<p>Proposed resource person (Name) :</p> <p><input checked="" type="checkbox"/> A draft/outline is attached <input type="checkbox"/> A draft/outline would be submitted by date:</p>	
<p style="text-align: center;">Observation by SIRIM Berhad</p> <p style="text-align: center;">It is recommended for the ISC to approve the project.</p>	
<p style="text-align: center;">Official Use Only</p>	
<p>ISC : Medical Devices and Facilities for Healthcare TC/WG :</p>	<p>NP Endorsement Date by Manager : 11/10/2010</p>
<p>Project No :</p>	<p>NP date by ISC :</p>
<p>DMS Category : COP / Recommendation / Guides/Guidelines</p>	<p>ISC Secretary : Salbiah Yaakop</p>