

### GLOBE Trainers and Master Trainers: Certification Processes

The GLOBE Program has a long history of building training capacity in each region through accrediting GLOBE Trainers and Master Trainers. This document provides a revised and simplified certification process, aimed at complimenting the new GLOBE e-Teacher certification process which is planned for on-line implementation in 2012.

All GLOBE Trainers and Master Trainers should have knowledge, skills and experience in the critical areas of (1) Science, (2) Education, (3) Training Adults, and (4) Knowledge of GLOBE. Potential GLOBE Trainers and Master Trainers will show evidence of all four areas through an on-line form, prior to being accepted as a GLOBE Candidate Trainer. Table 1 describes each of these critical areas and the assessment criteria for each.

**Table 1: Summary of background evidence, prior to a Candidate Trainer being accredited**

<b>Trainer Matrix</b>	<b>Science</b>	<b>Education</b>	<b>Training adults</b>	<b>Understanding GLOBE</b>
<b>Knowledge</b>	Degree, certification or research experience in relevant science subject and proven understanding of GLOBE Protocols.	Teaching in the classroom – opportunities and constraints.	Techniques for engaging adults.	Involvement as teacher, trainer or assistant, GLOBE Scientist, Country Coordinator, US Partner, GLOBE Employee
<b>Skills</b>	Making science relevant to teachers.	Pedagogical techniques	Adult learning techniques	Participation in GLOBE training.
<b>Experience</b>	Trainers > 2 years Master Trainers > 4 yrs	Trainers > 2 years Master Trainers > 4 yrs	Trainers > 2 years Master Trainers > 4 yrs	Trainers > 2 years Master Trainers > 4 yrs
<b>Assessment</b>	Copy of degree certificate or proven understanding of GLOBE Protocols	Documentation of experience	Documentation of experience	Written confirmation from CC or U.S. Partner.

#### Trainer Certification

At the end of this first assessment (which is completed from documentation only) anyone passing all four areas is accredited by the relevant Regional Board or GPO as a Candidate Trainer. Any one or two of the above requirements may be satisfied by demonstration of the required knowledge or skill to a GLOBE Master Trainer. The Science and GLOBE Understanding need only be for those protocols and investigation areas in which the candidate wishes to be certified.

The Candidate Trainer then trains one or more teachers under the mentorship and guidance of a Master Trainer. The Master Trainer completes an on-line written assessment of the candidate, and passes it to the Country Coordinator for review and evaluation. If the Country Coordinator agrees with the assessment, all information is provided to the Regional Board or the GPO for final approval and recording into the database. There are two possible outcomes: either the candidate is accredited by the Country Coordinator, working with the relevant Regional Board or the GPO, as a Trainer for the appropriate protocols or the candidate needs more experience and must repeat the accreditation when he or she is better prepared.

This process is shown diagrammatically in Process 10 – Accrediting GLOBE Trainers.

### **Master Trainer Certification**

Master Trainers have substantially more knowledge, skills and experience in the same areas of (1) Science, (2) Education, (3) Training Adults, and (4) Knowledge of GLOBE. For Master Trainers this knowledge includes familiarity with how to set up and conduct a GLOBE teacher training and how to mentor Candidate Trainers. This specific knowledge may be gained through experience or through seminars given by Master Trainers for this purpose. Prior to being accepted as a GLOBE Candidate Master Trainer, evidence for all four areas shall be submitted through an on-line form. This means that it is possible for a qualified person to become a GLOBE Master Trainer without first having to be accredited as a GLOBE Trainer, although having conducted three or more GLOBE teacher training experiences is preferred.

At the end of this first assessment (which is completed from documentation only) anyone passing all four areas is accredited by the relevant Regional Board or the GPO as a Candidate Master Trainer. The years of experience requirements (See Table 1) may be shortened if a GLOBE Master Trainer has observed outstanding performance of the required knowledge or skill.

The Candidate Master Trainer would then assist a Master Trainer during a GLOBE workshop, including the planning, delivery and feedback. The Master Trainer would complete an on-line written assessment of the candidate, and pass it to the relevant Regional Board the GPO for review and evaluation. There would be two possible outcomes: either the candidate needs more experience, or the candidate needs no further experience. If the candidate needs more experience, the candidate would need to assist a Master Trainer in a GLOBE workshop when the candidate is better prepared.

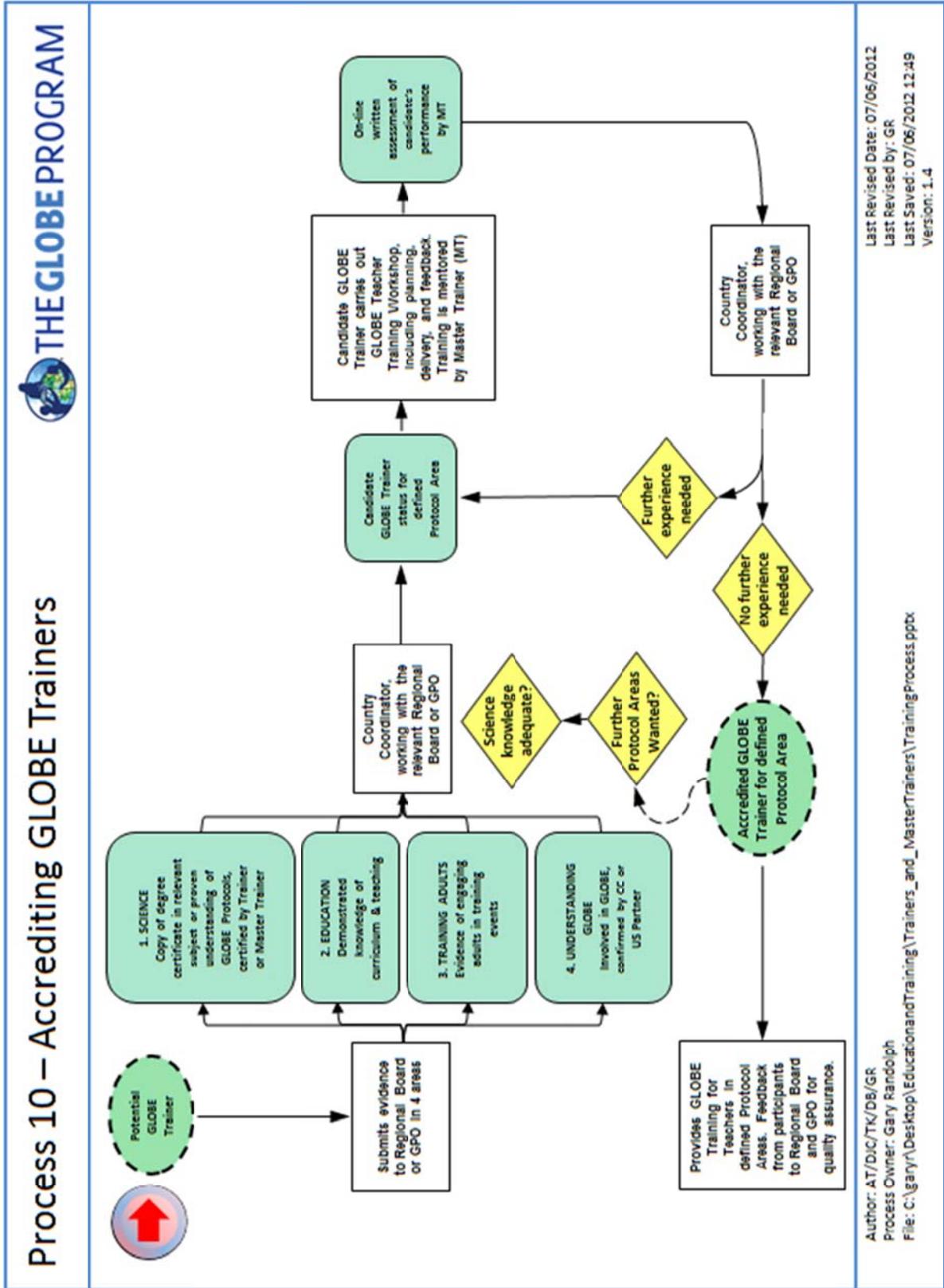
If the Candidate Master Trainer needs no further experience, the candidate would then demonstrate a high level of capability by training teachers under the mentorship and guidance of a Master Trainer. The Master Trainer would complete an on-line written assessment of the candidate, and pass it to the GPO or the relevant Regional Board for review and evaluation. There would be two possible outcomes: either the candidate needs more experience, or the candidate needs no further experience and can be accredited by the relevant Regional Board or the GPO as a GLOBE Master Trainer, for the defined investigation area and appropriate protocol(s). If the candidate needs more experience, the candidate would need to again train teachers under the mentorship and guidance of a Master Trainer.

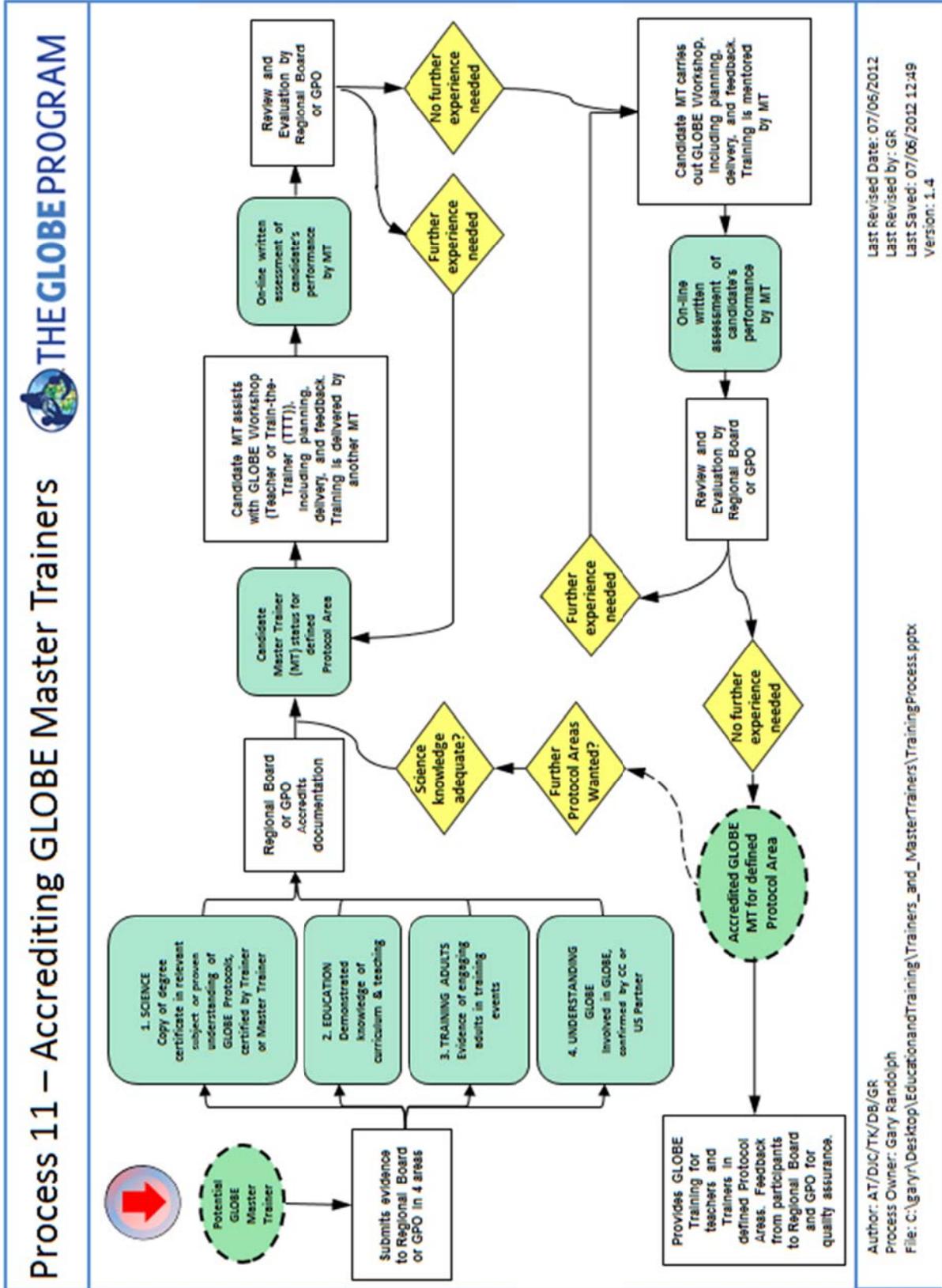
This process is shown diagrammatically in Process 11 – Accrediting GLOBE Master Trainers.

Regional Boards will forward all information regarding new members of the training community (candidates or certified) to the GLOBE Program Office (GPO). It is the responsibility of GPO to maintain the list of Trainers and Master Trainers.

In this new process there is a shift to demonstrated ability to train teachers as the critical step in becoming either a Trainer or Master Trainer.

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GLOBE Program Office





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