

**Review of Global Laboratory Initiative (GLI) and  
World Health Organization (WHO) tools and guidance  
for laboratory strengthening**

**22-24<sup>th</sup> August 2011, Geneva, Switzerland**

## Background

The Global Laboratory Initiative (GLI) is a network of international partners dedicated to accelerating and expanding access to quality assured laboratory services in response to the diagnostic challenges of TB, notably HIV-associated and drug-resistant TB. The World Health Organization TB Diagnostics and Laboratory Strengthening Unit of the Stop TB Department acts as the secretariat of the GLI and additionally has as a core function the development of new policies in TB diagnostics and laboratory procedures.

The incidental confluence in the development of a number of separate laboratory tools and guidance documents by WHO and GLI partners justifies a face-to-face consultation of global experts, allowing for the efficient review and finalization of the materials for subsequent publication and dissemination.

The materials currently under development and the subject of review at this consultation are:

1. Training packages on 1.) culture and DST and 2.) line probe assays. These training packages have been developed by GLI partners including FIND and have been used under the framework of the EXPAND-TB project. The aim of the review of these two training packages is for them to be adopted as GLI training tools.
2. A WHO TB laboratory biosafety manual. This manual will be based on the WHO laboratory biosafety manual (4<sup>th</sup> edition), adapted to the specific conditions and needs of TB laboratories. A draft of this manual has been developed, and the aim of the review is for the manual to be finalized for publication as a WHO document.
3. A GLI Laboratory Accreditation Implementation Guide. This guide will assist in implementation of a quality management system (QMS) at the National TB Reference Laboratory level and will aid in implementation of a sequential framework or “step-wise” approach for achieving the ISO (International Organization of Standardization) standard. A draft of this guide has been developed for initial discussion at a face-to-face meeting of the writing group and other partners on 6-7 July. The aim of the review is for the finalization and approval of the Guide as a GLI document.

## Meeting Objective

To review and finalize draft laboratory tools and guidance for subsequent publication and dissemination

## Expected outcomes

Final versions endorsed by GLI of the following materials: 1.) training packages on a.) culture and DST and b.) line probe assays; 2.) TB laboratory biosafety manual; 3.) Laboratory Accreditation Implementation Guide

## Participants

The meeting will include representatives from leading international institutions and agencies that are members of the Global Laboratory Initiative (GLI) with expertise in each of the materials to be discussed

**Provisional Agenda  
WHO D Building Room HTM65**

**22 August 2011**

**Chair  
Chris Gilpin**

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<b>8:45-9:00</b>	<b>Registration</b>	
<b>9:00-9:15</b>	<b>Welcome, meeting objectives, and introduction of participants</b>	<b>Chris Gilpin</b>
<b>9:15-9:45</b>	<b>Introduction of material: Training package on culture, DST and LPAs</b>	<b>Akos Somoskovi</b>
<b>9:45-10:00</b>	<b>Preliminary Discussion: Training package on culture, DST, LPA</b>	<b>ALL</b>
<b>10:00-10:15</b>	<b>Introduction of material: TB Biosafety manual</b>	<b>Chris Gilpin</b>
<b>10:15-10:45</b>	<b>Preliminary Discussion: TB Biosafety manual</b>	<b>All</b>
<b>10:45-11:15</b>	<b>Coffee</b>	
<b>11:15-12:30</b>	<b>Individual review of materials</b>	<b>ALL</b>
<b>12:30-13:45</b>	<b>Lunch</b>	
<b>13:45-17:30</b>	<b>Group 1: Training package on culture and DST, and Training package on line probe assays (HTM 65)</b>  <b>Group 2: TB laboratory biosafety manual (HTM 30)</b>	<b>Facilitator: Fuad Mirzayev Rapporteur: Daniel Orozco Facilitator: Chris Gilpin Rapporteur: Wayne Van Gemert</b>
<b>(15:30-16:00)</b>	<b>Coffee</b>	

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## Provisional Agenda

<b>23 August 2011 - WHO D Building Room HTM65 / HTM 30</b>		Chair: Daniela Cirillo
<b>09:00-10:30</b>	<b>Working Group Review of Materials</b> <b>Group 1: Training package on culture and DST, and Training package on line probe assays (HTM 65)</b> <b>Rapporteur: Daniel Orozco</b>	<b>Facilitators:</b> <b>Fuad Mirzayev</b>
	<b>Group 2: TB Laboratory Biosafety manual (HTM 30)</b> <b>Rapporteur: Wayne Van Gemert</b>	<b>Chris Gilpin</b>
<b>10:30-11:00</b>	<b>Coffee break</b>	
<b>11:00-12:30</b>	<b>Plenary Discussion: Revisions to Training package on culture and DST</b>	<b>ALL</b>
<b>12:30-13:45</b>	<b>Lunch</b>	
<b>13:45-15:30</b>	<b>Plenary Discussion : Revisions to the Training Package on LPA</b>	<b>ALL</b>
<b>15:30-16:00</b>	<b>Coffee break</b>	
<b>16:00-17:30</b>	<b>Plenary Discussion: Revisions to the TB Biosafety Manual</b>	<b>ALL</b>
<b>24 August 2011 – Salle A WHO Main Building</b>		Chair: Tom Shinnick
<b>9:00-9:15</b>	<b>Background: Laboratory Accreditation</b>	<b>Chris Gilpin</b>
<b>9:15-10:15</b>	<b>Interactive presentation of the GLI Implementation towards Laboratory Accreditation</b>	<b>Paul Klatser / Tjeerd Datema</b>
<b>10:15-10:30</b>	<b>Preliminary Discussion</b>	<b>ALL</b>
<b>10:30-11:00</b>	<b>Coffee break</b>	
<b>11:00-11:30</b>	<b>Individual review: GLI implementation Guide towards laboratory accreditation</b>	<b>ALL</b>
<b>11:30-12:30</b>	<b>Discussion – Classification of requirements for the different levels</b>	<b>ALL</b>
<b>12:30-13:45</b>	<b>Lunch</b>	
<b>13:45-14:30</b>	<b>Discussion – Existing tools not incorporated into the implementation guide</b>	<b>ALL</b>
<b>14:30-15:30</b>	<b>Discussion – Resources which need further development for inclusion in the implementation guide</b>	<b>ALL</b>
<b>15:30-16:00</b>	<b>Coffee break</b>	
<b>16:00-16:30</b>	<b>discussion: Revisions to the Laboratory Accreditation Implementation Guide</b>	<b>ALL</b>
<b>16:30-17:00</b>	<b>Discussion: Distribution of training materials – what is needed?</b>	<b>ALL</b>
<b>17:00-17:30</b>	<b>Summary and next steps</b>	<b>Chris Gilpin</b>