



WHS

World Health Survey

How to use the GPS Training material



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1. Introduction

This document contains information about how to use the material that has been sent to you in order to give the GPS training. **If you are not the person in charge of the GPS training please pass this document in addition to the other material received (GPS, holster, batteries and documents) to the person in charge.**

As you may not have access to the equipment allowing the projection of PowerPoint slides the description of the steps to be followed are reported in two different chapters:

- 3 if you can project PowerPoint slides
- 4 if you can't project PowerPoint slides

Please refer to the appropriate section in order to be able proceeding with the training.

Please don't hesitate to contact the "GPS Team" in case of problems when using this material:

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2. Material at disposal

You should normally have received the following material in addition to the present document:

- GPS devices with holsters (number depending on the country),
- Batteries (number depending on the sampling size)
- 1 copy of the Power Point presentation note pages
- copies of the documents for each of the person in charge of the GPS in the field:
 - GPS Field Guide
 - Test and use of the GPS in the Field document
 - Data Collection protocol
 - Country Information Form
 - the section 0100 and 0200 of the questionnaire for the practical exercise
- 1 CD ROM that contains the electronic version of all the paper documents as well as the current PowerPoint presentation mentioned before. The documents are stored in word and pdf format (that can be read with the application located in the Acrobat reader folder). The figure 1 allows you to visualise the structure of the folders in the CD ROM.

It is necessary to have all this material at disposal for the training !!!.

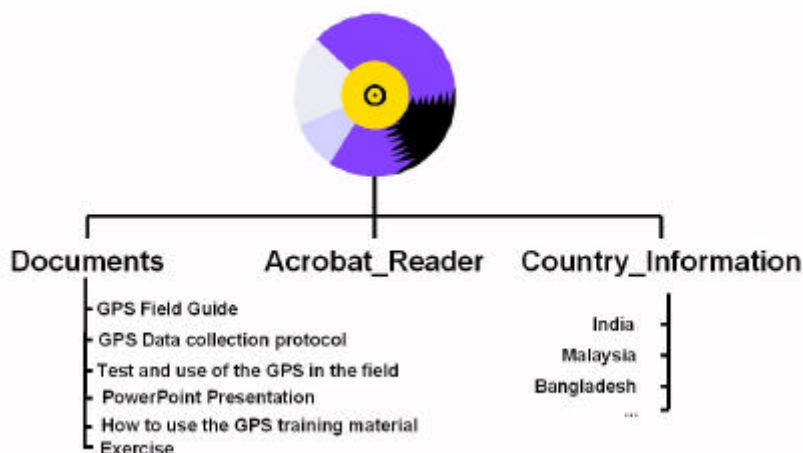


Figure 1. Folder structure of the GPS training CDROM

3. Training when you can project the PowerPoint slides

If you have access to the necessary equipment to project PowerPoint slides (computer connected to a light box) you may prepare the training as follow:

1) Become familiar with the GPS receiver and the documents called:

- GPS Field Guide
- Test and use of the GPS in the Field document
- Data Collection protocol
- Country Information Form

These documents are complementary and constitute the material that the person in charge of the GPS will have with them in the field

2) Become familiar with the PowerPoint presentation located in the CD ROM in the documents/PowerPoint Presentation folder. After having copied the slides to your computer use the PowerPoint presentation note pages to know what explanation is attached to each slide. The elements on the slides are animated in such a way that you can make them appear according to the text. After some practice you will be able to know when to make the next element appear.

3) Prepare a package for each of the person in charge of the GPS in the field. Each package will contain:

- 1 GPS Garmin eTrex with 1 holster,
- Batteries (the total number of batteries that have been sent to you has been calculated to normally allow you to give the training and to collect the location of all the households in the field. Each battery as normally a life of 20 hours => share them equitably among the supervisors)
- 1 copy of each of the paper document:
 - GPS Field Guide
 - Test and use of the GPS in the Field document
 - Data Collection protocol
 - Country Information Form
 - the section 0100 and 0200 of the questionnaire for the practical exercise

- 4) **GPS training:** Give a package to each person in charge of the GPS in the field and present the slides to the following the text indicated below the slides. The most important element during the presentation is that they understand:
- how the GPS system works,
 - the importance of doing this measurement for the survey (important to be careful to take the measurement)
 - the basic of the Garmin eTrex GPS receiver. **It is important that the participants play with the GPS receiver trying themselves to follow the steps that you will be mentioning in the chapter 3 of the presentation (The Garmin eTrex unit). This will allow them to become familiar with the device.**
 - the data collection protocol

They can follow the presentation from slide 1 until 23 with the support of the "GPS field guide document" (the chapter of the slides correspond to the chapters of the document)

From the slide 24 (Data collection) the person in charge of the GPS will have to refer to the document called "Data Collection protocol" and the chapter 3 of the "Test and use of the GPS in the Field" to find information corresponding to the slides until the end of the presentation.

- 5) The last slide of the presentation introduce the test of the GPS device as well as the exercise that will take place outside the training room. The test of the GPS device will be done following the steps mentioned in the chapter 2 of the "Test and use of the GPS in the Field" document and the exercise following the steps mentioned in the chapter 3 of the same document taking the building in which the training was done as testing household. **This practical part is essential and certainly the most important part of the training.**

At the end of this practical exercise, the participants should be able to take the measurement of the latitude and longitude of any household within the country and enter the correct information in the section 0100 and 0200 of the questionnaire. Use the copies that we sent to you showing these two section to perform the exercise making sure that they have understood how the device is working.

The training will be finished after this.

4. Training when you can't project the PowerPoint slides

In case you can make photocopies of the Power Point slides Note pages that you received you will then be able to proceed as explain in the chapter 3. You will just have to make the person in charge of the GPS in the field follow what you say on the note page instead of looking at the slides on a screen.

If you don't have the possibility to make photocopies of the note page you will be able to proceed as follow for the training:

- 1) Become familiar with the GPS receiver and the documents called:
 - GPS Field Guide (You can also read the copy of the PowerPoint note pages as they will maybe help you visualising some of the concepts mentioned in this document)
 - Test and use of the GPS in the Field document
 - Data Collection protocol
 - Country Information Form

These documents are complementary and constitute the material that the person in charge of the GPS will have with them in the field
- 2) Prepare a package for each of the person in charge of the GPS in the field. Each package will contain:
 - 1 GPS Garmin eTrex with 1 holster,
 - Batteries (the total number of batteries that have been sent to you has been calculated to normally allow you to give the training and to collect the location of all the households in the field. Each battery as normally a life of 20 hours => share them equitably among the supervisors)
 - 1 copy of each of the paper document:
 - GPS Field Guide
 - Test and use of the GPS in the Field document
 - Data Collection protocol
 - Country Information Form
 - the section 0100 and 0200 of the questionnaire for the practical exercise
- 3) **GPS Training:** Give a package to the person in charge of the GPS in the field and go through the GPS field guide document with them. The most important element during this part of the training is that they understand:
 - how the GPS system works,
 - the importance of doing this measurement for the survey (important to be careful to take the measurement)
 - the basic of the Garmin eTrex GPS receiver. **It is important that the participants play with the GPS receiver trying themselves to follow the steps that you will be mentioning in the chapter 3 of the presentation (The Garmin eTrex unit). This will allow them to become familiar with the device.**
 - the data collection protocol

Once you have finished with the GPS field guide document, the next step of the training consist in going through the "Data Collection Protocol" document with the

participant in order to explain to them how to fill the section 0100 and 0200 of the questionnaire

- 5) At the end of the lecture of the data collection protocol the participants will be able to test the GPS device and make a practical exercise. The test of the GPS devices will be done following the steps mentioned in the chapter 2 of the "Test and use of the GPS in the Field" document and the exercise following the steps mentioned in the chapter 3 of the same document taking the building in which the training was done as testing household. **This practical part is essential and certainly the most important part of the training.**

At the end of this practical exercise, the participants should be able to take the measurement of the latitude and longitude of any household within the country and enter the correct information in the section 0100 and 0200 of the questionnaire. Use the copies that we sent to you showing these two section to perform the exercise making sure that they have understood how the device is working.

The training will be finished after this.