### **CHAPTER XXII**

# Digital Data Management

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#### CHAPTER XXII

#### DIGITAL DATA MANAGEMENT

It is envisaged to streamline digital data handling in field survey operations and related activities. All digital survey plans should be prepared according to the guidelines given below. Preparation of survey plans in digital form will be compulsory with effect from 01-01-2008. Therefore, supervising officers and surveyors should acquire required knowledge for collection, manipulation, processing and preparation of survey plans in digital form.

This chapter covers the following areas.

- 1. Equipment and Software
- 2. Field Investigation and Data Collection
- 3. Building up Digital Drawing
- 4. Quality Control in Digital Drawing
- 5. Data Storage, Security and Back up
- 6. Database of Survey Requisitions
- 7. Scanning of Old Filed Sheets and Usage of Images

#### 22.1 Equipments and Software

All equipments used for data collection have to be calibrated and should be in good condition.

Software provided by the Survey Department should be used for collection, conversion, manipulation and processing of digital data.

#### 22.2 Field Investigation and Data Collection

#### 22.2.1 Prospection Diagram of the Survey Area

A clear prospection diagram should be prepared showing all the proposed control stations, natural features and parcel boundaries with their descriptions and any other important information by the surveyor on his field investigation. This diagram should be filed in the requisition file.

#### 22.2.2 Control Traverses for Detail Surveys

For detail surveys, control traverses should be established and, closure should be checked and adjusted vide departmental survey regulations. Traversing and detail survey can be done together or one by one. However, traverse should be limited to twenty lines. If traversing and detail surveys are done together, complete data set should be adjusted before producing the plan.

Control Stations and survey points should be numbered as follows and should be shown in the field book.

- Detail survey points should be numbered from 1 to 6999
- Points to be set out should be numbered from 7000 to 8999
- Control Stations should be numbered starting from 9000

• These numbers should be unique for each survey plan.

For each traverse, point No., horizontal distance, bearing, vertical angle and point description will have to be recorded and booked in the field book vide annex-1. Observed coordinates of instrument stations may also be recorded, if required for traversing. If it is not possible to record vertical angle, then the slope distance or vertical distance may be recorded. Print out of adjusted bearings, adjusted distances and adjusted coordinates have to be pasted in the last page used for the said traverse. Specimen of adjusted coordinate sheet given in annex-2 should be used for every traverse.

Accuracy and procedure of the control surveys should be maintained in accordance with the DSR and Technical Instructions. All traverses should be established with new national coordinate system. Prior approval should be obtained for any deviations.

#### 22.2.3 Data Collection and Recording in Detail Surveys

#### 22.2.3.1 Data collection with conventional equipment

Conventional methods of data collection will continue and data have to be converted to digital mode using the software provided by the Department.

# 24.2.3.2 Data collection with Total Station and recording in Electronic Media (Data recorder or internal memory)

Point numbers (P), Coordinates (Northing (N), Easting (E) & Height (Z) ) and Point descriptions (C) of each point surveyed have to be recorded using internal or external data recorders. See annex-3 and annex-10 for feature codes. Fictitious height may be recorded in the case where height is not important. Field notes have to be maintained with the details such as point numbers, point descriptions, boundary descriptions and traverse points with reference to the subsequent and previous traverse points, tenementary information etc; as shown in annex-4. Traverse points should be shown in the field notes relative to the neighbouring boundaries. Print out of observed points authenticated by the surveyor should be pasted on the field book as shown in annex-5.

If boundary points are observed while traversing, field books should be maintained as shown in annex-6. Data should be downloaded to the computer and adjusted using software designated for it. A printout of adjusted coordinates of traverse and observation points in the sequence of Point No., Northing, Easting, Height (if available) and point description (PNEZC) authenticated by the surveyor should be pasted on a designated page of the field book as shown in annex-2 and 7.

(If data recorders are not available, all above information may be recorded manually in the field book while taking observations as shown in annex-8 for detail surveys. If data are manually recorded while traversing, total data set should be adjusted using the software provided and adjusted coordinates should be pasted as shown in annex-9. Field notes have to be maintained with the details such as point numbers, point descriptions, boundary descriptions and traverse points with reference to the subsequent and previous traverse points, tenementary information

etc; as shown in annex-4 and annex-6. However, prior written approval should be obtained from the supervising officer for manual recording.

#### 22.2.3.3 Special requirements on Collecting Data

- **a.** Length of a detail observation to a permanent boundary point should not exceed 100m under normal conditions. However, longer shots may be observed up to 200m for natural boundaries or features like stream edges etc.
- **b.** Features that involve with area calculations should not be shown as single off set features. Therefore, foot paths, small streams, drains etc. should be surveyed as double off set features. They have to be shown in the plan with real dimensions.

#### **22.3** Building up Digital Drawing

If Total Stations are used for field surveys, digital coordinate file has to be prepared in the format of PNEZC for preparation of digital plan. If conventional method is used, digital plan has to be prepared from original field notes. In both instances digital coordinate file has to be prepared in the format of PNEZC.

The format of digital drawing should be in DXF format.

All drawing features should be organized into the relevant layers given in the annex-10.

#### 22.3.1 Completion of drawing and annotation – Digital Drawing

For English and Sinhala text, *Romans.shx* and *idm1.shx* fonts should be used respectively with the following letter sizes. However, these sizes should be changed according to the scale of the plan by multiplying with the scale factor. Oblique angle for all fonts is 17 degrees.

|                          | Font heigh               | t in digital |  |  |  |
|--------------------------|--------------------------|--------------|--|--|--|
| Feature                  | drawing for 1:1,000 plan |              |  |  |  |
|                          | Romans.shx               | idm1.shx     |  |  |  |
|                          | (Lower case)             |              |  |  |  |
| 1. District prefix       | 4.5                      | 7            |  |  |  |
| Plan No.                 |                          |              |  |  |  |
| 2. Supplement No., Sheet | 3.3                      | 5            |  |  |  |
| No.                      |                          |              |  |  |  |
| Inset No.                |                          |              |  |  |  |
| Large streams            |                          |              |  |  |  |
| Scale                    |                          |              |  |  |  |
| 3. Village               | 3.8                      | 5            |  |  |  |
| Minor Division           |                          |              |  |  |  |
| D.S. Division            |                          |              |  |  |  |
| District                 |                          |              |  |  |  |
| Province                 |                          |              |  |  |  |
| Abutting Village Name    |                          |              |  |  |  |

| 4. Lot numbers,           | 2.4 | 4   |
|---------------------------|-----|-----|
| Description of            |     |     |
| cultivation               |     |     |
| 5. Direction of roads and | 3   | 4   |
| paths                     |     |     |
| 6. Abutting descriptions, | 2.6 | 3.4 |
| TP, PP references         |     |     |
| Description of Roads,     |     |     |
| Small streams,            |     |     |
| Buildings,                |     |     |
| Boundary marks            |     |     |
| 7. Boundary descriptions  | 2.0 | 2.8 |

Final digital drawing of the completed plan and Meta data file created as shown in annex-11 should be saved with the file names given in annex-12. Any amendments proposed by the supervising officers have to be done in the final digital drawing.

#### 22.3.2 Area computations

Area computations in detailed is included in DSR 13.12.4.

#### 22.3.3 Preparation of Tenement List

Tenement list has to be prepared in digital form using the software provided by the Department. Print out of the tenement list should be obtained using the same software.

#### 22.4 Quality Control in Digital Drawing.

Supervising officer should check the closer of traverses and adjustment of them with the field notes. Lengths and bearings of traverses in the digital drawing should be compared with the field notes.

Coordinates of boundary points (at least 10%) should be compared with the coordinate values given in the filed book. If the digital drawing is generated from a survey carried out by conventional method, digital drawing should be compared with the field notes. Endorsement should be made in the field books regarding the checks carried out by the supervising officer.

When a plan is printed in several sheets (sections), original drawing should be used for printing each section. Separate drawing files should not be prepared for each section. Repeating lot numbers, arrows, boundary descriptions, section lines and other details should be shown in a separate layer as in annex -10.

Edge comparison of the sections should be made and edge comparison tracing should be placed in the requisition file with the endorsement of the surveyor and certificate of the supervising officer.

Completeness and correctness of the plan should be checked in accordance with the guidelines provided in DSR and, supervising officer is responsible for storing the final drawing file (single file) and Meta data file with the correct file names given in annex-12.

#### 22.5 Data storage, Security and back up.

Proper storage and backing up is a very important aspect in data management. As digital media is fragile, it is essential to keep a backup in a reliable media. These backups should be properly indexed and safely stored for possible future applications.

#### 22.5.1 Data Archiving in Divisional Survey Offices

All the digital data related with surveying should be securely archived in Divisional Survey Office for easy reference following the procedures given below. Three sub-folders, namely; < work in progress>, <Survey Work> & <Completed work> should be opened in the internal hard drive-D of the computer assigned to Div.SO and they should be used for data archiving.

In the process of Data Archiving,

- ➤ The surveyor should open a sub-folder naming with his initials in folder; < work in progress> in the internal hard disk drive-D (eg:- HAAR-GS, PMS-LS). In this folder, four sub-folders namely; Data, Drawings, TL & Fixed Data should be opened for storing all the digital data in connection with preparation of survey plans & data under each requisition of survey.
- > Superintendent of Survey, while sending the plans to Senior Superintendent of Surveys after examining, should open four sub-folders in the folder; <Survey Work> under each Survey Requisition, namely; Data, Drawings, TL & Fixed Data and relevant data files and metadata files should be archived as applicable.
- ➤ Having completed the amendments shown by the Senior Superintendent of Surveys, yearly sub-folders should be opened under the folder; <**Completed work>** and further sub-folders should be opened for each type of surveys under respective year sub-folder. In these sub-folders of different type of surveys, five sub-folders, namely; **LIS Archive**, **Data**, **Drawings**, **TL & Fixed Data** should be opened and relevant data and metadata should be archived.
- ➤ If no further amendments found, The Superintendent of Surveys should open a subfolder naming the <u>respective year</u> under the sub-folder <Completed Work> and further sub-folders should be opened for each <u>category of surveys</u> under the year folder. In these sub-folders of each category of surveys, five sub-folders, namely; **LIS Archive**, **Data**, **Drawings**, **TL & Fixed Data** should be opened and relevant data and the metadata folder too should be archived.

Subsequently, Data archiving should be followed in the sub-folders created above as of the details given in the table, below;

| ers created on Surveyors' name s only Subfolders for each Survey Request Subfolders & Only Subfolders for each "type of survey" ch "Year" subfolders for each "Requisition for Survey"  IS Archive stata brawings L ixation Data fletadata File elevant Subfolders of the above Subfolders as applicable. |
|---|
| subfolders & Only Subfolders for each "type of survey" ch "Year" subfolders for each "Requisition for Survey"  IS Archive eata brawings L ixation Data fletadata File   |
| subfolders for each "Requisition for Survey"  IS Archive Pata Prawings L ixation Data Metadata File   |
| IS Archive Pata Prawings L ixation Data Metadata File   |
| oata<br>Orawings<br>L<br>ixation Data<br>Ietadata File  |
| elevant Suntoiders of the above Suntoiders as annifoante  |
| the annex-12 of this chapter.  3-subfolders in this folder will be uploaded to LIS via a"  ame: <52PPlanCO3234>( eg:-in Colombo district) file name: 52PPlanCO3234.dxf d TL file name: 52PPlanCO3234-A.mdbMeta data file name: CO3234.txt   |
| These datafiles should be numbered to include the Requisition number as follows; eg:- Datafile-1, connected with Req. No. 2013/24 Data for observed detail survey  cod- requisition Number eg:- cod_2013_24_1 Traverse Data (with detail survey)  Trv- requisition Number eg:-Trv 2013 24 1               |
|   |

| <drawings></drawings>   | 1. Named final Plan (Include only the Standared Layers) eg:-11FTP7In5Sh12.dxf (see the annex-12 for details) |
|-------------------------|--|
|                         | 2. Coordinate file extracted from final plan   |
|                         | eg:- 11FTP7In5Sh12.xls   |
|                         | 11FTP7In5Sh12.csv  |
|                         | 11FTP7In5Sh12.txt  |
|                         | 3. Extent of the lots  |
|                         | Extent11FTP7In5Sh12.txt  |
|                         | 4. Cad Plans(Only for Cad Maps)  |
|                         | 310015010013.xxx, 310015010014.xxx,310015010015.xxx  |
|                         | etc. (xxx – Format shuld be as requested by the Land Registry  |
|                         | office)  |
|                         | 5. 1:10,000 index diagram(only for Cad Maps)   |
|                         | 31001501sh1_10000.dxf  |
| Tenement List           | 1. Approved tenement list through the Software tool  |
| <tl></tl>               | eg:- 11FTP7In5Sh12-A.mdb   |
| E' 1D ( )               |  |
| <fixed data=""></fixed> | Plan with all the fixation data (scan image not required)  |
|                         | eg:- fix11FTP7In5Sh12.dxf  |
|                         | In addition to standard layers, Fixation data for each plan  |
|                         | should be saved in separate new layers   |
|                         | eg:- PPCO6575_Fixeddata,CM520004bl1sh2_Fixeddata   |
|                         | "etc.  |
|                         |  |

#### 22.5.2 Safety of the Data files

The surveyor shall be responsible for the safety of all the digital data until the respective survey plan be completed. In this regard, the surveyor shall use extra computer and reliable external digital media in addition to his working computer for safely maintenance of the backup data during the process of the plan preparation prior to completion of the job.

#### 22.5.3 Archiving of Completed Digital Plans.

The supervising officer should hand over a CD, in which all the sub-folders under the <Requisition No.> been copied, to the District Survey Office along with the certified survey plans. The CD should be labeled for the survey requisition number with indelible ink. (eg. Co/BS/HMG/2011/235). A register for this should be maintained in the Divisional Survey Office.

The supervising officers may delete the relevant data archived in computer hard disk, after a period of six months of certifying the plans and sending the respective digital data to the District Survey Office.

The final set of digital data should be incorporated with the amendments shown by the Senior Superintendent of Surveys prior to certify the plans. Hence, the CD returned by the Senior Superintendent of Surveys for amendments should be noted in the register of the Divisional Survey Office and Superintendent of Surveys should give the same to Govt. surveyor for amendments. If there is no amendments, the respective CD should be copied into a new CD and it should be labeled with the reference of Survey Requisition number (eg.

**52PPlanCO3234(CO\_KLN\_2013\_531)** ) with indelible ink in Divisional/District office and should be archived in District Survey Office.

The data files returned by the surveyor, after the amendments, having ascertained by the superintendent of surveys as the amendments have been actually attended, shall be entered into a new sub-folder opened on new date and action should be taken to prepare the folders as detailed in para; 22.5.1 in the Divisional Survey office and then all the data should be copied in CD labeled with survey requisition number to a new 25PPlanCO3234(CO KLN 2013 531) with indelible ink has to be recorded in the Divisional Survey office register and handed over to District Senior Superintendent of Surveys. A copy of the same may be archived in the Divisional Survey office too. The survey requisition folder in District Survey Office should be updated with necessary information in accordance with the specimen of the annex-17, sticking it on the cover of the folder. It will be easier to identify the final set of data in completed survey plans of the Govt. surveyor by naming in two different ways.

The superintendent of surveys is fully responsible for the final digital data set prepared on this procedure.

#### 22.5.4 Data Archiving, Securing and Backup copies in District Survey Offices

On certification of the survey plans by District Senior Supdt. of Surveys, the final digital data files received in District Survey Office should be archived in a separate file in computer hard disc with reference to relevant plan number and the requisition number. eg:-52PPlanCO3234(CO-KLN-2013-531). In addition to this, actions should be taken to copy the same data file to the space allocated to each district Senior Supdt. of Surveys in LIS server.

. Soon after certifying the plans or on the next working day, the Senior Superintendent of Surveys should take actions to send the data files in the LIS Archive to the Land Information System.

The digital data of all the certified plans within the month should be copied to the Land Information System through the Internet before the 12<sup>th</sup> day of the following month. The steps shown in the annex-16 should be followed in copping the respective data. The data copied here are the sub-folder; <u>LIS Archive</u> among the sub-folders mentioned in para-22.5.1. Though the data can be copied at any date of the month, a report (text document) prepared as of the specimen of annex-18, detailing the each set of copied data should be uploaded too. Accordingly, the Land Information System branch will download the data. It is advisable to use the data archiving registers, maintained in the District Survey Office for preparation of the reports. A nil report, stating reason should be submitted if no plan has been certified during the month. Any clarification may be referred from the Land Information System branch.

#### 22.5.5 Archiving of Data-folder Backup

District Senior Superintendents of Surveys are responsible for backup archiving of all the data folders copied in computer hard drives to compact discs (CD) and they should be numbered on serial order with respective district prefix (eg:- Maha 23 SUR). Folders in different types of surveys <FVP/FTP/CM> may be archived in a single CD. When a CD is fully completed with data folders, it should be copied in to a new CD and send to the Document Management and Professional Standard branch in the head office. The information relevant to each CD should be maintained in a ledger as detailed in the annex-13. The serial number of the CD should be stated in both the registers; Issuing the Last lot Particulars and Plan certification, which are maintained in District Survey Office.

The data files archived in computer hard disk in the District Office, should be copied to external hard disk and they should be archived in secure manner.

A Database inclusive of all the relevant data in each CD ( CD No, Requisition No, Plan Type, Plan No. etc.) should be maintained in District Survey Office. Senior Superintendents of Surveys, prior to issue of plan copies, should ascertain that all the relevant digital data had been copied to the CD.

Since, there can be a large number of subsequent surveys in cadastral map areas, numbering the CD, referring to relevant Cadastral map and archiving them in order of the cadastral map number, would privilege to conduct the subsequent surveys systematically.

The parent lots in the original digital "dwg" drawing files maintained by the District Senior Superintendent of Surveys, which have been taken for subsequent surveys, should be coloured for easy identification. The digital drawing of the new subsequent survey data file should be recorded in a separate layer in the original digital drawing and the layer should be named as "TEXT-SUBS". The stages of subsequent surveys should be denoted in each data layer by naming the same layers such as; TEXT-SUBS<sup>1</sup>, TEXT-SUBS<sup>2</sup> ---- etc. The digital drawing, which contains original data, will be updated by adapting the detailed procedure.

The digital data of subsequent surveys should also be archived in District Survey Office. Tenement List should be prepared through the software provided and it should be transmitted to the Land Information System. In accordance with the section 36(3) of the Title Registration Act, copies should be issued from the amended plan for issue of title certificate. Certified digital copy of the subsequent survey should be used for this purpose. The same certified digital copy should be used for issuing copies to both; Title Settlement Commissioner and Title Registration Commissioner.

#### 22.6 Databases for Survey Requisitions

A database through the software provided, consisting of relevant information for all the survey requisitions should be maintained in both District and Divisional Survey Offices. This software tool should be used for issuing the numbers for survey requisitions, updating of all the related information and assigning of survey requisitions to registered surveyors too. The officer responsible for the software tool, should enter the monthly progress of each survey requisition at the end of the each month and all the progress reports should be generated through the same software tool. Backup data of the survey requisition database should also be securely archived by the end of each month.

# 22.7 Scanning of Old Field Sheets and Using of Scanned Soft copies 22.7.1 Scanning of Ouarter Field Sheets and Tenement Lists

Originals of Quarter Field Sheets and the Tenement Lists are scanned in the District Survey Offices with using the software provided by the Department. The scanned soft copies should be numbered in accordance with the annex-14. (on scanning of the document, the name assigned for the same soft copy will automatically be given by the software). Photocopies of the documents should not be used for scanning.

The scanned soft copies should be saved in CD and the same CD should be serially numbered under District prefix starting from number; 1.

Eg:- Compact Disks (CD) in Kandy District; Maha CD 1, Maha CD 2 .... etc.

These CD should be stored in District Offices and the copied CD of the same should be handed over to Document Management & Professional Standards (DMPS) branch in head office. A separate Register for these CD, should be prepared and maintained properly. (See the annex-15 for specimen of ledger page)

The CD, which contain the scanned field sheets, should be treated as property of the Department. Issuing the copies of these CD to external institutions and requested public should be followed by the instructions approved by the Surveyor General.

A separate database for the soft copies of scanned field sheets should be maintained using the software tools provided by the Department. The information about each soft copy and the details of each CD contains the soft copies etc. should be recorded in the database. Hence, it is important to keep secured backup copies of this database in the DMPS branch of the SGO. The District Senior Superintendent of Surveys should take necessary actions to use the mechanism, which has been already introduced, to avail privileges for general public to view the scanned plans through the Internet. The assistance of the Superintendent of Surveys (Headquarters), officer in charge of the document room and the IT technician should be availed for this task. Since It is greatly important to update the indexes of "ScanImage" and the "ADITS" software provided by the Department with scanning of all the plans, enabling them to release to view through the Internet, the officer in charge of the document room and the IT technician should follow the proceedings upon the instructions of the District Senior Superintendent of Surveys/Superintendent of Surveys (Headquarters).

#### 22.7.2 Scanning Plans in DMPS branch

Actions should be taken to scan the old field sheets larger than A3 in size, which are available in the District Survey Offices, at the DMPS branch in SGO.

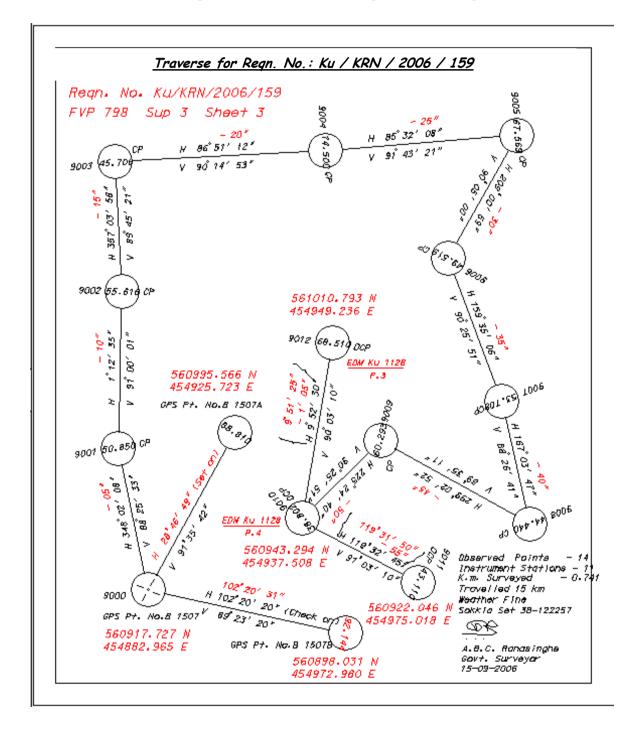
Scanning the originals of the old plans archived in DMPS branch, should be done therein and the soft copies of the same should be issued to relevant district offices. These scanned softcopies should not be issued to any external institutions and requested public without a prior approval of the Surveyor General. All the copies of scanned plans should be securely archived in backup storages as detailed in para-22.7.1

#### 22.7.3 Using the Scanned Soft Copies.

Scanned soft copies would be affected with geometrical distortions due to the erroneous effects of the camera of the scanner. Most of these distortions are uniform geometric errors and they can be corrected in few preparations. However, irregular geometrical deviations cannot be corrected in such a simple proceeding. The differences and the quantities of these geometrical errors can only be measured on complete rectification of the images. If the rectification cannot be accepted, a new methodology should be adapted for proper rectification. If the rectified image is not in acceptable condition, action should be taken to rescan the field sheet. The scanned soft copies with applying geometrical corrections can be used for any purpose. The software tools for rectification of scanned plans are provided by the Department.

ANNEX 1

#### Specimen for Field Book Page on Traversing



# Specimen for Adjusted Co-ordinate Sheet of a Traverse (This page should be maintained for every traverse)

| EDM<br>Traverse |                      | De<br>s                                      | Ног              | rizoı | ntal <                    | V    | erti<br>< | cal               | Hor ist | ·.D                |      | Co              | ordinates   |                  | Remark<br>s            |
|-----------------|----------------------|--|------------------|-------|---------------------------|------|-----------|-------------------|---------|--------------------|------|-----------------|-------------|------------------|------------------------|
| Stn<br>No       | Ta<br>rg<br>et<br>No |  | 0                | ,     | "                         | 0    | ,         | "                 |         |                    |      | N               | E           | Z                |                        |
|                 |                      |  | 1: . 1           |       | 1:                        |      |           | C .1              |         |                    | 1    | 111             | . 11        | C 11             |                        |
|                 |                      | Aa   | ijusted<br>      | Coc   | ordinate<br>              | e sh | eet       | of th             | ie tra  | verse              | shou | ild be pas      | ted here as | follows          | T                      |
|                 |                      | <u>                                     </u> |                  |       |                           |      |           |                   |         | ordin              |      | heet            | A 1'        |                  | <u> </u>               |
| Statio          |                      | es   | Observ<br>bearin |       | Corre<br>on fo<br>bearing | or   |           | orre<br>d<br>eari |         | Adju<br>d<br>Beari |      | Hori.<br>length |             | isted<br>linates | Remark                 |
| No.             |                      | c  | ,                | "     | 0 "                       | ,    |           | 0 "               | ,       | 0 "                | •    | (m)             | North (m)   | East (m)         |                        |
| 9000            | A                    | 6  |                  |       |                           |      |           |                   |         |                    |      |                 | 560917.727  | 454882.965       | GPS Point<br>No. B1507 |
| 9001            | C                    | P  | 348 02           | 08    | - 05                      |      | 34        | 8 02              | 03      | 348 02             | 03   | 50.850          | 560967.488  | 454872.440       |                        |
| 9002            | C                    | Р  | 01 12            | 35    | - 10                      | ı    | 0         | 1 12              | 25      | 01 12              | 24   | 55.616          | 561023.107  | 454873.630       |                        |
| 9003            | C                    | Р  | 357 03           | 58    | - 15                      |      | 35        | 7 03              | 43      | 357 03             | 42   | 45.706          | 561068.753  | 454871.287       |                        |
| 9004            | C                    | P  | 86 51            | 12    | - 20                      | ı    | 8         | 6 50              | 52      | 86 50              | 52   | 74.500          | 561072.865  | 454945.692       |                        |
| 9005            | C                    | P  | 85 32            | 08    | - 25                      |      | 8         | 5 31              | 43      | 85 31              | 42   | 67.569          | 561078.148  | 455013.073       |                        |
| 9006            | C                    | P  | 209 00           | 59    | - 30                      | ı    | 20        | 9 00              | 29      | 209 00             | 29   | 49.519          | 561034.857  | 454989.078       |                        |
| 9007            | C.                   | P  | 159 35           | 06    | - 35                      |      | 15        | 9 34              | 31      | 159 34             | 30   | 53.708          | 560984.541  | 455007.839       |                        |
| 9008            | C                    | P  | 167 03           | 47    | - 40                      | ı    | 16        | 7 03              | 07      | 167 03             | 07   | 44.440          | 560941.246  | 455017.814       |                        |
| 9009            | C                    | P  | 299 02           | 52    | - 45                      |      | 29        | 9 02              | 07      | 299 02             | 06   | 60.293          | 560970.525  | 454965.117       |                        |
| 9010            | C                    | P  | 225 24           | 40    | - 50                      | ı    | 22        | 5 23              | 50      | 225 23             | 51   | 38.802          | 560943.294  | 454937.508       |                        |
|                 |                      |  |                  |       |                           |      |           | Tota              | l       |                    |      | 541.003         | 560943.294  | 454937.508       | OCP                    |
| Signat          | ture o               | of sur                                       | veyor:           |       |                           |      |           |                   |         | llowe<br>btaine    |      |                 |             |                  |                        |

14

| Name of surveyor: Date: |       |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-------|--|--|--|--|--|--|--|--|--|--|--|--|
| Date:                   | Date: |  |  |  |  |  |  |  |  |  |  |  |  |
|                         |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                         |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                         |       |  |  |  |  |  |  |  |  |  |  |  |  |

#### Feature Codes for Point features

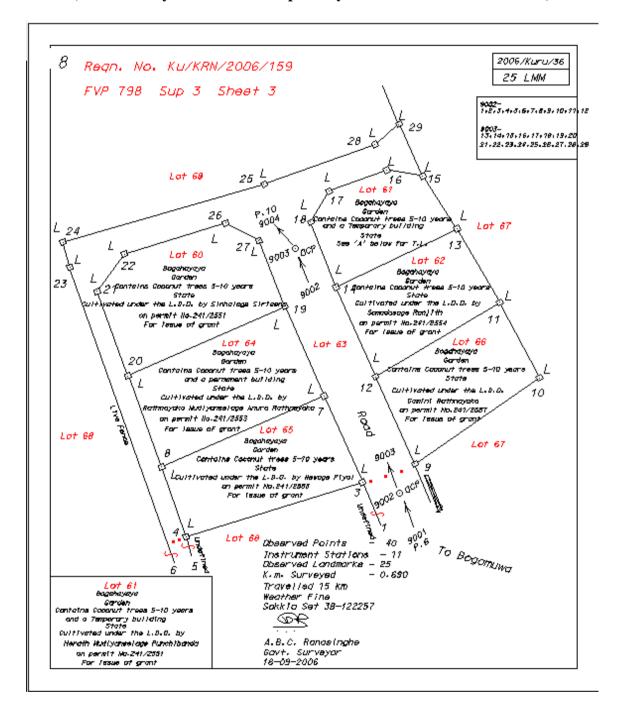
# 1. Boundary points:

|    | Point Feature                 | Code |
|----|-------------------------------|------|
| 1  | Concrete fence post           | CoP  |
| 2  | Wooden fence post             | WoP  |
| 3  | Iron Nail                     | IN   |
| 4  | Concrete Nail                 | CN   |
| 5  | Brass Nail                    | BN   |
| 6  | Iron Rail                     | IRa  |
| 7  | Iron Rod                      | IR   |
| 8  | Landmark                      | L    |
| 9  | Mark on Cement                | MC   |
| 10 | Mark on Rock                  | MR   |
| 11 | Mark on Wall                  | MW   |
| 12 | Old Landmark                  | OL   |
| 13 | Stake                         | St   |
| 14 | Other type of boundary points | OTB  |
| 15 | Electric Post                 | EP   |
| 16 | Telephone Post                | TP   |
| 17 | Rock Landmark                 | RL   |
| 18 | Landmark - RDA                | LR   |
|    |                               |      |

### 2. Instrument Station Points:

| 1 | Cement picket                                     | stncp  |
|---|---|--------|
| 2 | Rock picket (below surface)                       | stnrpb |
| 3 | Rock picket                                       | stnrp  |
| 4 | Sunk Stone  | stnss  |
| 5 | GPS observation point                             | stngps |
| 6 | Other type of pickets                             | stnotp |
| 7 | Landmark Picket                                   | stnlp  |
| 8 | Traverse Cement Picket                            | stntcp |
|   | Note: Feature line break (stnbkcp, stnbkpb, etc;) | stnbk  |

Specimen for Field Book Page on Detail Survey (Detail Survey has been done separately. See Annex 1 for the traverse)



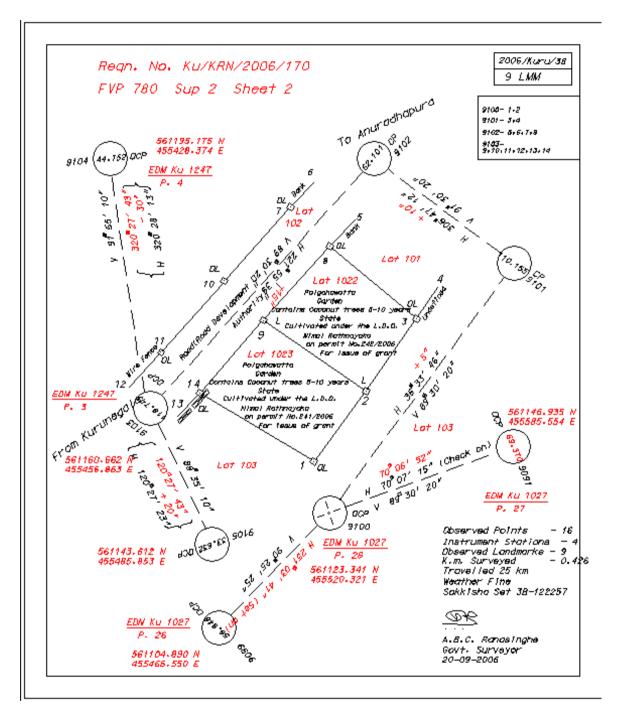
ANNEX 5

# Specimen for FB keeping when data are recorded digitally (**Detail survey only**)

| EDM<br>Traverse |                      | De<br>s            | Hoi | rizont        | tal <  | V     | ertica<br>< | Hor.D      | Co                | oordinates  |        | Remark<br>s                                |
|-----------------|----------------------|--------------------|-----|---------------|--------|-------|-------------|------------|-------------------|-------------|--------|--|
| Stn<br>No       | Ta<br>rg<br>et<br>No |                    | 0   | ,             | "      | 0     | ,           | "          | N                 | E           | Z      |  |
| 900<br>2        |                      | O<br>CP            |     |               |        |       |             |            | 561023.107        | 454873.630  |        | Page 3                                     |
|                 | 90<br>01             | O<br>CP            | 181 | 12            | 25     |       |             | 55.616     | 560967.488        | 454872.440  |        | Set on                                     |
|                 | 90<br>03             | O<br>CP            | 357 | 03            | 43     |       |             | 45.706     | 561068.722        | 454871.251  |        | Checke<br>d on                             |
|                 | 90<br>01             | O<br>CP            | 181 | 12            | 24     |       |             | 55.616     | 560967.465        | 454872.440  |        | Checke<br>d on<br>after<br>observa<br>tion |
| 900<br>3        |                      | O<br>CP            |     |               |        |       |             |            | 561068.753        | 454871.287  |        | Page 3                                     |
|                 | 90<br>02             | O<br>CP            | 177 | 03            | 43     |       |             | 45.706     | 561023.107        | 454873.630  |        | Set on                                     |
|                 | 90<br>04             | O<br>CP            | 86  | 50            | 52     |       |             | 74.500     | 561072.818        | 454945.638  |        | Checke<br>d on                             |
|                 | 90<br>02             | O<br>CP            | 177 | 03            | 43     |       |             | 45.706     | 561023.107        | 454873.631  |        | Checke<br>d on<br>after<br>observa<br>tion |
|                 |                      |                    | Cod | ordina        | ate sh | eet o | of obs      | erved poin | ts to be pasted a | us follows  |        |  |
|                 |                      |                    |     |               |        |       |             |            | -                 | <u> </u>    |        |  |
|                 |                      | <br> -<br> -<br> - |     | P oi nt N o.  |        | N (   | (m)         | Observed C | n) Z (n           | o<br>d<br>e |        |  |
|                 |                      | -                  |     | oi<br>nt<br>N |        |       |             | E (1       | n) Z (n           | n)          | o<br>d | o<br>d                                     |

|                      | 2  | 561112.837 | 454552.627 | U      |  |
|----------------------|----|------------|------------|--------|--|
|                      | 3  | 561120.135 | 454528.086 | L      |  |
|                      | 4  | 561100.484 | 454464.801 | L      |  |
|                      | 5  | 561093.674 | 454466.586 | U      |  |
|                      | 6  | 561091.248 | 454460.516 | L<br>F |  |
|                      | 7  | 561151.215 | 454514.362 | L      |  |
|                      | 8  | 561125.739 | 454455.991 | L      |  |
|                      | 9  | 561126.719 | 454546.993 | L      |  |
|                      | 10 | 561157.612 | 454591.692 | L      |  |
|                      | 11 | 561184.676 | 454577.363 | L      |  |
|                      | 12 | 561157.993 | 454532.766 | L      |  |
|                      | 13 | 561211.184 | 454561.959 | L      |  |
|                      | 14 | 561190.235 | 454518.708 | L      |  |
|                      | 15 | 561230.089 | 454549.686 | L      |  |
|                      | 16 | 561232.139 | 454536.819 | L      |  |
|                      | 17 | 561222.620 | 454516.145 | L      |  |
|                      | 18 | 561213.673 | 454509.572 | L      |  |
|                      | 19 | 561183.331 | 454500.131 | L      |  |
| Signature of surveyo | r: |            |            |        |  |
| Name of surveyor:    |    |            |            |        |  |
| Date:                |    |            |            |        |  |
|                      |    |            |            |        |  |
|                      |    |            |            |        |  |

ANNEX 6
Specimen for Field Book Page on Traversing with Detail Survey



# Specimen for FB keeping when data are recorded digitally (Traversing with detail survey)

| ED<br>Trav |                      | De<br>s | Ho          | rizont | tal <       | V     | ertic<br>< | cal          | Ho<br>ist | r.D   | Coordinates        |                  |           | Remark<br>s |      |  |
|------------|----------------------|---------|-------------|--------|-------------|-------|------------|--------------|-----------|-------|--------------------|------------------|-----------|-------------|------|--|
| Stn<br>No  | Ta<br>rg<br>et<br>No |         | 0           | ,      | "           | 0     | ,          | "            |           |       | N                  |                  | E         |             | Z    |  |
|            |                      |         |             |        |             |       |            |              |           |       |                    |                  |           |             |      |  |
|            | Adjı                 | isted o | coord       | inate  | sheet       | of tr | ave        | rse          | and       | obser | ved point.         | s to b           | pe pasted | as foli     | lows |  |
|            |                      |         |             |        |             |       |            |              |           |       |                    |                  |           |             |      |  |
|            |                      |         |             |        |             |       |            | \ din        | ıcted     | Coo   | rdinates           | Ī                |           |             |      |  |
|            |                      |         | -<br>-<br>- |        | n/Pt<br>No. |       |            | (m)          | isted     |       | E (m)              | Z<br>(<br>m<br>) | Code      |             |      |  |
|            |                      |         |             | 9      | 100         | _     |            | 23.3         |           |       | 520.321            |                  | OCP       |             |      |  |
|            |                      |         |             |        | 1           |       |            | 11.9         |           |       | 514.652            |                  | OL        |             |      |  |
|            |                      |         |             |        | 2           | +     |            | 66.6         |           |       | 533.177            |                  | L         |             |      |  |
|            |                      |         | _           | 9      | 101         |       |            | 11.8         |           |       | 585.941            |                  | CP        |             |      |  |
|            |                      |         | _           |        | 3           |       |            | 92.2         |           |       | 551.230            |                  | OL        |             |      |  |
|            |                      |         |             |        | 4           | +     |            | )3.3         |           |       | 558.781            |                  | U         |             |      |  |
|            |                      |         | _           | 9      | <u>102</u>  |       |            | 19.0         |           |       | 536.206            |                  | CP        |             |      |  |
|            |                      |         |             |        | <u>5</u>    |       |            | 27.4<br>10.5 |           |       | 529.446<br>514.748 |                  | B<br>B    |             |      |  |
|            |                      |         |             |        | 7           |       |            | 31.9         |           |       | 506.693            |                  | OL        |             |      |  |
|            |                      |         |             |        | 8           |       |            | 17.9         |           |       | 520.285            |                  | OL        |             |      |  |
|            |                      |         | _           | 9      | 103         | +     |            | 50.6         |           |       | 456.863            |                  | CP        |             |      |  |
|            |                      |         |             |        | 9           | _     |            | 91.7         |           |       | 496.977            |                  | L         |             |      |  |
|            |                      |         |             |        | 10          | _     |            | 05.7         |           |       | 483.084            |                  | OL        |             |      |  |
|            |                      |         |             |        | 11          |       |            | 30.5         |           |       | 460.331            |                  | OL        |             |      |  |
|            |                      |         |             |        | 12          |       |            | 58.0         |           |       | 448.754            |                  | WF        |             |      |  |
|            |                      |         |             |        | 13          |       |            | 57.8         |           |       | 466.571            |                  | WF        |             |      |  |
|            |                      |         |             |        | 14          |       |            | 55.7         |           | 455   | 474.323            |                  | OL        |             |      |  |
|            | ature of             |         |             |        |             |       |            |              |           |       |                    | •                |           |             |      |  |

| Date: |  |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|
|       |  |  |  |  |  |  |  |
|       |  |  |  |  |  |  |  |

ANNEX 8

# Specimen for FB keeping when data are recorded manually (Detail surveys only)

| EDM<br>Traverse |                      |         | Hor | rizont | al < | V | erti | cal |               | Observe    | d Coordinates | <b>S</b> |                        |
|-----------------|----------------------|---------|-----|--------|------|---|------|-----|---------------|------------|---------------|----------|------------------------|
| Trav            | erse                 | De<br>s |     |        |      |   | <    |     | Hor.<br>Dist. |            |               |          | Remark<br>s            |
| Stn<br>No       | Ta<br>rg<br>et<br>No |         | 0   | ,      | "    | 0 | •    | "   |               | N          | E             | Z        |                        |
| 9002            |                      | OC<br>P |     |        |      |   |      |     |               | 561023.107 | 454873.630    |          | Page 3                 |
|                 | 900<br>1             | A6      | 181 | 12     | 25   |   |      |     | 55.616        | 560967.488 | 454872.440    |          | GPS<br>B1507 Set<br>on |
|                 | 900                  | OC<br>P | 357 | 03     | 43   |   |      |     | 45.706        | 561068.722 | 454871.251    |          | Checked<br>on          |
|                 | 1                    | U       |     |        |      |   |      |     |               | 561104.671 | 454534.539    |          |                        |
|                 | 2                    | U       |     |        |      |   |      |     |               | 561112.837 | 454552.627    |          |                        |
|                 | 3                    | L       |     |        |      |   |      |     |               | 561120.135 | 454528.086    |          |                        |
|                 | 4                    | L       |     |        |      |   |      |     |               | 561100.484 | 454464.801    |          |                        |
|                 | 5                    | U       |     |        |      |   |      |     |               | 561093.674 | 454466.586    |          |                        |
|                 | 6                    | LF      |     |        |      |   |      |     |               | 561091.248 | 454460.516    |          |                        |
|                 | 7                    | L       |     |        |      |   |      |     |               | 561151.215 | 454514.362    |          |                        |
|                 | 8                    | L       |     |        |      |   |      |     |               | 561125.739 | 454455.991    |          |                        |
|                 | 9                    | L       |     |        |      |   |      |     |               | 561126.719 | 454546.993    |          |                        |
|                 | 10                   | L       |     |        |      |   |      |     |               | 561157.612 | 454591.692    |          |                        |
|                 | 11                   | L       |     |        |      |   |      |     |               | 561184.676 | 454577.363    |          |                        |
|                 | 12                   | L       |     |        |      |   |      |     |               | 561157.993 | 454532.766    |          |                        |
| 9003            |                      | OC<br>P |     |        |      |   |      |     |               | 561068.753 | 454871.287    |          | Page 3                 |
|                 | 900                  | OC<br>P | 177 | 03     | 43   |   |      |     | 45.706        | 561023.107 | 454873.630    |          | Set on                 |
|                 | 900                  | OC<br>P | 86  | 50     | 52   |   |      |     | 74.500        | 561072.818 | 454945.638    |          | Checked<br>on          |
|                 | 13                   | L       |     |        |      |   |      |     |               | 561211.184 | 454561.959    |          | OII                    |
|                 | 14                   | L       |     |        |      |   |      |     |               | 561190.235 | 454518.708    |          |                        |
|                 | 15                   | L       |     |        |      |   |      |     |               | 561230.089 | 454549.686    |          |                        |
|                 | 16                   | L       |     |        |      |   |      |     |               | 561232.139 | 454536.819    |          |                        |
|                 | 17                   | L       |     |        |      |   |      |     |               | 561222.620 | 454516.145    |          |                        |
|                 | 18                   | L       |     |        |      |   |      |     |               | 561213.673 | 454509.572    |          |                        |
|                 | 19                   | L       |     |        |      |   |      |     |               | 561183.331 | 454500.131    |          |                        |
|                 | 20                   | L       |     |        |      |   |      |     |               | 561158.273 | 454443.947    |          |                        |

| 21 | L |  |  |  | 561188.607 | 454433.030 |  |
|----|---|--|--|--|------------|------------|--|
| 22 | L |  |  |  | 561202.022 | 454442.774 |  |
| 23 | L |  |  |  | 561197.193 | 454422.988 |  |
| 24 | L |  |  |  | 561206.323 | 454420.564 |  |
| 25 | L |  |  |  | 561227.123 | 454492.838 |  |

Signature of surveyor: Name of surveyor:

Date:

ANNEX 9

# Specimen for FB keeping when data are recorded manually (Traversing with detail survey)

| EDM<br>Traverse |                      | De      | 1101  | rizont | aı <  | V    | ertic<br>< | cal  |               | Observed Coordinates |                   |     | Remark |
|-----------------|----------------------|---------|-------|--------|-------|------|------------|------|---------------|----------------------|-------------------|-----|--------|
|                 |                      | S       |       |        |       |      |            |      | Hor.<br>Dist. |                      |                   |     | S      |
| Stn<br>No       | Ta<br>rg<br>et<br>No |         | 0     | ,      | "     | 0    | ,          | "    |               | N                    | E                 | Z   |        |
| 910<br>0        |                      | O<br>CP |       |        |       |      |            |      |               | 561123.341           | 455520.321        |     |        |
|                 | 909<br>9             | OC<br>P | 251   | 03     | 41    |      |            |      | 56.848        | 561104.890           | 455466.550        |     |        |
|                 | 909<br>1             | OC<br>P | 70    | 7      | 15    |      |            |      | 69.370        | 561146.935           | 455585.550        |     |        |
|                 | 910<br>3             | СР      | 120   | 27     | 43    |      |            |      | 73.632        | 561160.663           | 455456.863        |     |        |
|                 | 1                    | OL      |       |        |       |      |            |      |               | 561141.904           | 455514.657        |     |        |
|                 | 2                    | L       |       |        |       |      |            |      |               | 561166.644           | 455533.182        |     |        |
|                 | 910<br>1             | СР      | 36    | 33     | 46    |      |            |      | 110.155       | 561211.817           | 455585.946        |     |        |
| 910<br>1        |                      | СР      |       |        |       |      |            |      |               | 561211.817           | 455585.946        |     |        |
|                 | 910<br>0             | OC<br>P | 216   | 33     | 46    |      |            |      | 110.155       | 561123.340           | 455520.325        |     |        |
|                 | 3                    | OL      |       |        |       |      |            |      |               | 561192.296           | 455551.240        |     |        |
|                 | 4                    | U       |       |        |       |      |            |      |               | 561203.359           | 455558.791        |     |        |
|                 | 910<br>2             | СР      | 306   | 47     | 12    |      |            |      | 62.101        | 561249.005           | 455536.216        |     |        |
| 910<br>2        |                      | СР      |       |        |       |      |            |      |               | 561249.005           | 455536.216        |     |        |
|                 | 910<br>1             | СР      | 126   | 47     | 12    |      |            |      | 62.101        | 561211.817           | 455585.951        |     |        |
|                 | 910<br>3             | СР      | 221   | 55     | 39    |      |            |      | 118.743       | 561160.662           | 455456.877        |     |        |
| 910<br>3        |                      | СР      |       |        |       |      |            |      |               | 561160.662           | 455456.877        |     |        |
|                 | 910<br>2             | СР      | 41    | 55     | 39    |      |            |      | 118.743       | 561249.005           | 455536.220        |     |        |
|                 | 910<br>0             | OC<br>P | 120   | 27     | 23    |      |            |      | 73.632        | 561123.340           | 455520.335        |     |        |
|                 |                      |         |       |        |       |      |            |      |               | 561123.341           | 455520.321        |     |        |
|                 | Adj                  | iusted  | coord | dinate | sheer | t of | trav       | erse | and obse      |                      | be pasted as foll | ows |        |
|                 |                      |         |       |        |       |      |            |      |               |                      |                   |     |        |

| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
|---|
|   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| <b>9100 561123.341 455520.321</b> OCP                 |
| 1 561141.905 455514.652 OL                            |
| 2 561166.645 455533.177 L                             |
| <b>9101 561211.818 455585.941</b> CP                  |
| 3 561192.297 455551.230 OL                            |
| 4 561203.360 455558.781 U                             |
| 9102 561249.006 455536.206 CP                         |
| 9103 561160.663 455456.863 CP                         |

# අංකිත දත්ත පිඹුරු සදහා දත්ත ස්ථර

# **Data Layers for Digital Survey Plans**

| දත්ත ස්ථර             | කෙටි යෙදුම් සිංහල/ඉංග්රීසි          | ව්ස්තරය   |
|-----------------------|-------------------------------------|---|
| ,                     | Abbreviations -Sinhala              | Descriptions  |
| Layers - version 2012 | /English                            | •   |
| BOUND-ADMIN-VIR       | +++                                 | පළාත් මායිම/Province boundary                                     |
|                       | ·+·+·+·+·+                          | දිස්තුික් මායිම /District Boundary                                |
|                       |                                     | පුාදේශීය ලේකම් කොට්ඨාශ මායිම/ Divisional Secretaries Division     |
|                       |                                     | Boundary  |
|                       |                                     | ගුාම නිලධාරී කොට්ඨාශ මායිම Grama Niladhari Boundary               |
|                       |                                     | ගම් මායිම /Village Boundary                                       |
|                       |                                     | මහ නගර සභා, නගර සභා හෝ පුාදේශීය සභා සීමා/Municipal, Urban         |
|                       | ├-°  ├ °                            | Council or Pradeshiya Sabha limits                                |
|                       | 1                                   | මහ නගර සභා, නගර සභා හෝ පුාදේශීය සභා සීමා(විශාල                    |
|                       |                                     | කිරීම්වල)/Municipal, Urban Council or Pradeshiya Sabha limits (of |
|                       |                                     | extensions)   |
|                       |                                     | ඡන්ද කොට්ඨාශය නැතහොත් කොට්ඨාශ මායිම /Ward Or Division             |
| BOUND-B-GEN           | ඉ∕B                                 | ඉවුර/Bank   |
| BOUND-BUND-GEN        | කණ්ඩිය /BUND                        | කණ්ඩිය දිගට ලියනු ලබයි /Bund                                      |
| BOUND-BW-GEN          | මාතා/ BW                            | මායිම් තාප්පය /Boundary Wall                                      |
| BOUND-C-GEN           | ຜ <sub>ູ</sub> ເລ <sub>າ</sub> / Cu | ගැටී බැම්ම /Curb  |
| BOUND-DF-GEN          | කෝවැ /DF                            | කෝටු වැට /Dry Fence   |

| BOUND-DT-GEN    | व/Dh      | අගල /Ditch/Trench  |
|-----------------|-----------|--|
| BOUND-EDN-GEN   | කා/Dn     | කපන ලද කානුව /Earth drain  |
| BOUND-HG-GEN    | බවැ∕ Hg   | බඩ වැටිය /Hedge  |
| BOUND-HYDRO-GEN | ජ/C       | ජල මාර්ගය /Channel/Cannel  |
| BOUND-HYDRO-GEN | ඇළ /Ela   | eγ€ /Ela   |
| BOUND-HYDRO-GEN | -         | ජල පුවාහය/ඔය/ගහ† /Stream/Oya/River†  |
| BOUND-HYDRO-GEN | -         | ජලාශ/වැව/කළපු /Reservoir/Wewa/Lagoon†  |
| BOUND-HYDRO-GEN | -         | වෙනත් ජල මායිම් /Other type of Water Boundary  |
| BOUND-IF-GEN    | යවැ/IF    | යකඩ වැට /Iron Fence  |
| BOUND-LF-GEN    | පැවැ/ LF  | පැළ ඉණි වැට /Live Fence  |
| BOUND-LM-GEN    |           | මායිම් ගල් භවිතයෙන් මායිම් පිහිටුවා ඇතිවිට /Boundaries defined with Landmarks, RL and boundary Posts |
| BOUND-MY-GEN    | සිකා/ MDn | සිමෙන්ති කාණුව /Masonry Drain  |
| BOUND-OTHER-GEN | -         | වෙනත් මායිම් /Other type of Boundary   |
| BOUND-OUTER-GEN | -         | වෙරළ මායිම /Shore Line   |
| BOUND-RG-GEN    | නි/R      | නියර /Ridge  |
| BOUND-RL-GEN    | -         | දුම්රිය මාර්ග/ Railway line  |
| BOUND-RW-GEN    | ආතා/RW    | ආධාරක තාප්පය /Retaining Wall   |
| BOUND-SF-GEN    | ගවැ/SF    | ගල්වැට /Stone Fence  |
| BOUND-TB-VIR    | -         | Transferred Boundaries   |

| BOUND-TE-GEN  | තාගැ/ TE    | තාර ගැට්ට /Tar Edge  |
|---------------|-------------|--|
| BOUND-U-GEN   | අව/U        | අවිතිශ්චිත /Undefined  |
| BOUND-WF-GEN  | කවැ/ WF     | කම්බි වැට /Wire Fence  |
| BOUND-W-GEN   | මාබි/ W     | මායිම් බිත්තිය /Wall   |
| BOUND-WLF-GEN | කපැවැ/ WLF  | කම්බි පැළ ඉණි වැට/ Wire Live Fence                               |
| BOUND-WNF-GEN | කදැවැ/WNF   | කම්බි දැල් වැට /Wire Net Fence                                   |
|               |             |  |
| OBJ-MAN-MADE  | E P         | ස්ථීර ගොඩනැගිල්ල /Permanent building                             |
| OBJ-MAN-MADE  | S T         | තාවකාලික ගොඩනැගිල්ල /Temporary building                          |
| OBJ-MAN-MADE  | Ş-<br>  e   | අත්තිවාරම /Masonry Foundation                                    |
| OBJ-MAN-MADE  | ×           | පාලම/බෝක්කුව /Bridge/Culvert                                     |
| OBJ-MAN-MADE  | -           | සිමෙන්තියෙන් බදින ලද ළිඳ/ළිඳ Masonry Well/Earth well             |
| OBJ-MAN-MADE  | වටැ / WT    | වතුර ටැංකිය/ Water Tank  |
| OBJ-MAN-MADE  |             | ගේට්ටුව /Gate  |
| OBJ-MAN-MADE  | <b>—•</b> — | ගේට්ටු මාර්ගය /Gate Way  |
| OBJ-MAN-MADE  | •           | මතුපිට පාලන ලක්ෂාය සදහා සංකේතය /Surface Monument Symbol          |
| OBJ-MAN-MADE  | X           | භූමිතික පාලන ලක්ෂා සදහා සංකේතය /Geodetic Control Point<br>Symbol |

| OBJ-MAN-MADE | 115.76             | පිල් ලකුණ /Benchmark  |
|--------------|--------------------|---|
|              | <u>◆</u> 115.76    |   |
| OBJ-MAN-MADE | FBM(with value)/8c | පිල් ලකුණ (මූලික)/Benchmark (Fundamental)   |
| POINT-FS     | ග/L                | මායිම් ගල /Landmark Benchmark   |
| POINT-FS     | පිග /RL            | පිහිටි මායිම් ගල /Rock Landmark   |
| POINT-FS     | ක/BP               | මායිම් කනුව(කොන්ක්රීට් කනුව/ලී වැට කනුව/වෙනත් ස්ථීර මායිම්<br>කනු)/Boundary Post    |
| POINT-FS     | ල/М                | සිමෙන්තිය මත සලකුණ /Mark on cement floor  |
| POINT-FS     | ල/M                | මායිම් තාප්පය මත සලකුණ /Mark on boundary wall                                       |
| POINT-FS     | e/M                | තාප්පය මත සලකුණ /Mark on Wall   |
| POINT-FS     | ලී / St            | ලී කූඤ්ඤය /Stake / Wooden Stakes  |
| POINT-FS     | පුග /AL            | පුරා විදාහ දෙපාර්තෙම්න්තුව මගින් වළලන ලද ගල /Boundary Stone-<br>Archeological Dept. |
| POINT-FS     | ລາເທ/ FL           | වන සංරක්ෂණ දෙපාර්තෙම්න්තුව මගින් වළලන ලද ගල /Boundary<br>Stone- Forest Dept.        |
| POINT-FS     | මාස/RDM            | මාර්ග සංවර්ධන අධිකාරිය මගින් වළලන ලද සළකුණ /Boundary<br>Stone- RDA                  |
| POINT-FS     | වික/ EP            | විදුලි කණුව /Electric Post  |
| POINT-FS     | දුක/TP             | දුරකථන කණුව /Telephone Post   |
| POINT-FS     | වරාක /TFP          | ටුාන්ස්ෆෝමර් කණුව /Transformer Post   |
| POINT-FS     | තැමප/PB            | තැපැල් මෙට්ටිය /Post Box  |
| POINT-FS     | TCB/දුකු           | Telephone Call Box/දුරකථන කුටිය   |

| POINT-FS       | ą₁/N                | පිත්තල ඇණය /Brass Nail  |
|----------------|---------------------|---|
| POINT-FS       | क् <sub>र</sub> / N | යකඩ ඇණය /Iron Nail  |
| POINT-FS       | යක/IR               | යකඩ කණුව /Iron Rail   |
| POINT-FS       | මබි/Mh              | මනුබිල /Manhole   |
| POINT-FS       | කුබ/RR              | කුණු බක්කිය/ Refuse Receptacle  |
| POINT-FS       | වප/SP               | යතුර පයිප්පය/Stand Pipe   |
| POINT-FS       | වැ/V                | වෑල්වය නොහොත් වාතාශ්ර නලය/Value or Vent-pipe                          |
| POINT-FS       | මපාල /SM            | මතුපිට පාලන ලක්ෂ්යය /Surface Monument                                 |
| POINT-FS       | භූපාල/GP            | භූමිතික පාලන ලක්ෂ්යය /Geodetic Control Point                          |
| POINT-FS       | ගස /Tr              | ගස /Tree  |
| POINT-FS       | කික/ kmP            | කිලෝ මීටර කණුව /Kilometer Post  |
| POINT-SN       |                     | මැනුම් ස්ථානය /Survey Nodes   |
| POINT-TN       |                     | පරික්රමන ස්ථානය/ Traverse Nodes                                       |
| POINT-TP       |                     | පැරණි පිඹුරක් මගින් පිහිටවූ ලක්ෂ්යය/Transferred Points                |
| TEXT-BD        |                     | මායිම හැදිත්වීමේ විස්තරය/Boundary Line Description                    |
| TEXT-BDP       |                     | මායිම ලක්ෂ්යයේ විස්තරය/Boundary Point Description                     |
| TEXT-EXT       |                     | ඉඩම් කැබැල්ලේ ගණනය කරන ලද වර්ගඵලය /Computed Extent of<br>Land Parcels |
| TEXT-HG        |                     | ස්ථානීය උස /Height Value  |
| TEXT-HYDRO     |                     | ඇල/ඔය/ගගේ නම /Name of the river/oya                                   |
| TEXT-INFO-PLAN |                     | පිඹුර මත සටහන් කරන තොරතුරු /Text in body of Plan                      |

| TEXT-LOT  |                           | කැබලි අංකය /Lot Number  |
|-----------|---------------------------|---|
| TEXT-PN   |                           | තොරතුරු මැනුම් හදුනාගැනීමේ අංකය /Point Number                                   |
| TEXT-RD   | මාර්ග (අ)/Road(H)         | මාර්ගය (අධිවේගී)/Road (Highways)  |
| TEXT-RD   | මාර්ග (ප්රාස)/Road(PS)    | මාර්ගය (ප්රාලේශීය සභා)/Road (Pradeshiya Saba)                                   |
| TEXT-RD   | මාර්ග (වා)/Road(ID)       | මාර්ගය (වාරි මාර්ග)/Road(Irrigation Dept)                                       |
| TEXT-RD   | මාර්ග (ඉ)/Road(LD)        | මාර්ගය (ඉඩම් සංවර්ධන)/Road(Land Development)                                    |
| TEXT-RD   | මාර්ග (මාසංඅ)/Road (RDA)  | මාර්ගය (මාර්ග සංවර්ධන අධිකාරිය)/Road(Road Development<br>Authority)             |
| TEXT-RD   | මාර්ග (නස)/Road(MC)       | මාර්ගය (නගර සභා)/Road (Municipal /Urban Council)                                |
| TEXT-RD   | මාර්ග (පස)/Road(PC)       | මාර්ගය (පළාත් සභා)/Road (Provincial Council)                                    |
| TEXT-RD   | මාර්ග (පමාසංඅ)/Road(PRDA) | මාර්ගය (පළාත් මාර්ග සංවර්ධන අධිකාරිය)/Road (Provincial RDA)                     |
| TEXT-RD   | අපා /FP                   | අඩි පාර /Foot Path  |
| TEXT-RD   |                           | ප්රවේශ මාර්ගය /Means of Access  |
| TEXT-RD   |                           | පාර/ වතු පාර Road / Estate Road   |
| TEXT-RD   |                           | මාර්ග දිශාවන්/Road Directions   |
| TEXT-SC   |                           | ලක්ෂ්ය සංකේත/ Feature Code  |
| TEXT-TP   |                           | පැරණි පිඹුරක් මගින් පිහිටවූ ලක්ෂ්යය /Transferred Point(Transferred survey nodes |
| TEXT-VAL  |                           | ග්රීඩ් අගයන්/ Grid Values   |
| VIR-ARROW |                           | ර්තලය/ Arrow  |
| VIR-BAR   |                           | කොටස් දාර /Section Bar  |

| VIR-CLITCH        | යා ලකුණ / භාග යා ලකුණ/ Clitich / Half Clitch |
|-------------------|--|
| VIR-CS            | හරස් කැපුම/ CS Profile                       |
| VIR-DANGLE        | Dangling Node                                |
| VIR-GRID          | ග්රීඩ් රේඛා/ Grid                            |
| VIR-INDEX         | මූලික සමෝච්ඡ රේඛා /Index Contours            |
| VIR-INTER         | අන්තර් සමෝච්ඡ රේඛා / Intermediate Contours   |
| VIR-LOTCLOSE_DOT  | කැබැලි පියවීමේ තිත / Lot Closing Dot         |
| VIR-LOTCLOSE_LINE | කැබැලි පියවීමේ රේඛා /Lot Closing Line        |
| VIR-LS            | දිග් කැපුම/ LS Profile                       |
| VIR-MARKS         | කොටස් ලකුණු / Section marks                  |
| VIR-POLY          | Virtual Polyline                             |
| VIR-TRVLINE       | පරික්රමණ රේඛා/Traverse Line                  |

| TEXT- LUSE | ක / Cam  | කපුරු /Camphor  |
|------------|----------|---|
|            | කර / Car | කරදමුංගු / Cardamom   |
|            | ⊚පාව/ CE | පොල් වත්ත (හෙක්.20ට වැඩි) / Coconut estate (over 20 hectares) |
|            | මසා /Cem | සොහොන්බිම / Cemetery  |
|            | මපාඉ ∕CG | පොල් ඉඩම (හෙක්.20ට අඩු) / Coconut Garden (under 20 hectares)  |
|            | ගේ /Ch   | හේත / Chena   |
|            | කු /Cin  | කුරුළු /Cinnamon  |

|           | පැ / Cit              | පැතිරි / Citronella  |
|-----------|-----------------------|--|
|           | ෙතා ∕ Coa             | කොකෝ / Cocoa   |
|           | කෝ / Cof              | කෝපි / Coffee  |
|           | කපු / Cot             | කපු / Cotton   |
|           | ඉද/ඉර් ∕D             | දෙනිය / රේඛාචිත්රය / Deniya or Diagram                       |
|           | ⊚ර්පි /DP             | රේඛා චිත්ර පිඹුරු /Diagram Plan                              |
|           | කැ / F                | කැලෑව / Forest   |
|           | ව / G = Garden        | වත්ත (ස්ථීර නොහොත් තාවකාලික වගාව) / $G = Garden$ (permanent  |
|           |                       | or temporary cultivation )                                   |
|           | මූ / HJ               | මූකලාන / High jungle   |
|           | ලකැ / LJ              | ලඳු කැලෑව / Low jungle                                       |
|           | බපි / LP = Lease Plan | බඳුකර පිඹුර / LP = Lease Plan                                |
|           | හැක / MS = Milestone  | හැතැප්ම කණුව / MS = Milestone                                |
|           | අහෙ / NC              | අළුත් හෙළිකිරීම / New clearing                               |
|           | ® / O                 | ඕවිට /Owita  |
|           | කු /P                 | කුඹුර / Paddy field  |
|           | තව / PG               | තල් වත්ත /Palmyrah Garden                                    |
|           | වැ / PL               | වැවිල්ල / Plantation ( gums, teaks &c)                       |
|           | මිප / PM              | මිතිරත් පතල / Plumbago mine                                  |
|           | තැක / PO              | තැපැල් කන්තෝරුව / Post Office                                |
|           | තැවිකා / PTO          | තැපැල් හා විදුලි පණිවුඩ කාර්යාලය / Post and Telegraph Office |
|           | ප / Pt                | පතන / Patana   |
|           |                       | ආණ්ඩුවේ වැඩ දෙපාර්තමේන්තු බංගලාව / Public Work Department    |
|           | අාවැබ / PW            | bungalow   |
| TEXT-LUSE | ගව / Q                | ගල්වල / Quarry   |
|           | ♂ / Rb                | රබර් / Rubber  |
|           | තා / RH               | තානායම / Rest House  |
|           | දුනැ / RS             | දුම්රිය නැවතුම්පල/ Railway Station                           |

| තේ / T             | ෙත් / Tea   |
|--------------------|---|
| කම / TF            | කමත / Threshing floor   |
| g / Tob            | දුම්කොළ / Tobacco   |
| හිපි / TP          | පැරණි හිමිකම් පිඹුර / Old Title Plan  |
| හිපි (ර) / TP (Cr) | පැරණි රජයේ හිමිකම් පිඹුර /Old Title Plan, Crown   |
| එ / V              | එළවළු වගාව / Vegetables   |
| වව / WH            | වතුර වල /Water Hole   |
| මුබි / WL          | මුඩුබිම / Open Waste Land   |
| පා/ eg: CG (ab)    | පාළු (අනෙකුත් සාපේක්ෂ නාම සමහ එකට භාවිතා කරනු ලැබේ.)/<br>Abandoned ( used conjunction with other initials as CG (ab)) |
| ගල/ RK             | ගල /Rock  |
|                    |   |

# Meta Data File for Digital Drawings (Drawing file names given in annex-12 should be used for Meta data files with the extension .doc or .txt eg: 82FTP57sup31sh42.txt)

| 1. Main Information           |                               |  |  |  |
|-------------------------------|-------------------------------|--|--|--|
| 1.1 Survey Requisition No.    |                               |  |  |  |
| 1.2 Purpose of Survey         |                               |  |  |  |
| 1.3 Plan No.                  | Plan No. :-                   |  |  |  |
|                               | Sheet No.:-                   |  |  |  |
|                               | Supplement No. / Inset No. :- |  |  |  |
| 1.4 Digital Drawing File Name |                               |  |  |  |
| 1.5 Used SDCAD Version        |                               |  |  |  |
| 1.6 Used TLDB Version         |                               |  |  |  |
| 2                             | . Survey Information          |  |  |  |
| 2.1 a) Period of Survey       |                               |  |  |  |
| b) Plan Passed on             |                               |  |  |  |
| 2.2 Method of Survey (Total   |                               |  |  |  |
| Stations, Conventional,       |                               |  |  |  |
| etc;)                         |                               |  |  |  |
| 2.3 Methods used to convert   |                               |  |  |  |
| old data/ plans (scanning     |                               |  |  |  |
| and digitizing,               |                               |  |  |  |
| recompilations etc;)          |                               |  |  |  |
| 2.4 Coordinate system         |                               |  |  |  |
| 2.5 Name of Surveyor          |                               |  |  |  |
| 2.6 Name of Supervising       |                               |  |  |  |
| officer                       |                               |  |  |  |
| 3. Other Important Remarks    |                               |  |  |  |
| 3.1                           |                               |  |  |  |
|                               |                               |  |  |  |
|                               |                               |  |  |  |
|                               |                               |  |  |  |
|                               | Nama                          |  |  |  |
| 2.2 Mara data 611 (11)        | Name:                         |  |  |  |
| 3.2 Meta data file created by | Designation:                  |  |  |  |
|                               | Date:                         |  |  |  |

## Naming system for Digital Drawing Files and Meta Data Files

Unique naming system has to be adopted for easy reference and manipulation of digital files. Following system will assign unique name for each digital drawing. Examples are also given for naming Digital drawings and related Meta data and TL database files.

## 1. Preliminary Plans

District Code Plan Type Plan Number

XX PPlan P. Plan number with district prefix

eg: PP CO 3234 in Colombo district

Drawing file name: 52PPlanCO3234.dxf Meta data file name: 52PPlanCO3234.txt TL data file name: 52PPlanCO3234.mdb

## 2. Cadastral Maps

District Code CM No. Block Number Sheet No.

XX XXXX XX sh+sheet number

eg: Sheet 4 of Block 3 in cadastral map 27 in Anuradhapura district

Drawing file name: 11002703sh4.dxf Meta data file name: 11002703sh4.txt TL data file name: 11002703sh4.mdb

#### 3. Insets

| <b>District Code</b> | Plan Type | Plan No. | Inset No.       | Sheet No.       |
|----------------------|-----------|----------|-----------------|-----------------|
| XX                   | FTP       | •••••    | In+Inset number | sh+sheet number |
| XX                   | TopoPP    |          | In+Inset number | sh+sheet number |

eg: Inset 5 (sheet12) of FTP 7 in Ratnapura district
Drawing file name: 62FTP7In5sh12.dxf
Meta data file name: 62FTP7In5sh12.txt
TL data file name: 62FTP7In5sh12.mdb

#### 4. Supplements

| District Code | Plan type | Plan No. | Sup No.        | Sheet No.       |
|---------------|-----------|----------|----------------|-----------------|
| XX            | FVP       |          | sup+sup number | sh+sheet number |
| XX            | FTP       |          | sup+sup number | sh+sheet number |

eg: Supplement 31(sheet 42) of FTP 57 in Matara district Drawing file name: 82FTP57sup31sh42.dxf Meta data file name: 82FTP57sup31sh42.txt TL data file name: 82FTP57sup31sh42.mdb

## 5. Court Commission surveys

District Code Plan type Requisition No.(Year-number)
XX Court Year+Requisition number

eg: Court commission surveys (Requisition no. 234 of 2007 in Kalutara district)

Drawing file name: 53Court2007234.dxf Meta data file name: 53Court2007234.txt

## 6. Engineering Surveys

District Code Plan type Requisition No.(Year-number)

XX Eng Year+Requisition number

eg: Engineering survey (Requisition no. 512 of 2008 in Kalutara district)

Drawing file name: 53Eng2008512.dxf Meta data file name: 53Eng2008512.txt

7. Tracings

District Code Plan type Requisition No.(Year-number)

XX Tra Year+Requisition number eg: Tracings (Requisition no. 402 of 2007 in Puttlam district)

Drawing file name: 41Tra2007402.dxf Meta data file name: 41Tra2007402.txt

**District:** District is defined with two digits. Code assigned to each district is given below.

| North Centra | l Province | North Western | Province              |  |  |  |  |
|--------------|------------|---------------|-----------------------|--|--|--|--|
| Anuradhapura | 11         | Puttlam       | 41                    |  |  |  |  |
| Polonnaruwa  | 12         | Kurunegala    | 42                    |  |  |  |  |
| Northern P   | rovince    | Western Pr    | ovince                |  |  |  |  |
| Jaffna       | 91         | Gampaha       | 51                    |  |  |  |  |
| Killinochchi | 92         | Colombo       | 52                    |  |  |  |  |
| Mullaittivu  | 93         | Kalutara      | 53                    |  |  |  |  |
| Mannar       | 24         |               |                       |  |  |  |  |
| Vavuniya     | 95         | Sabaragamuwa  | Sabaragamuwa Province |  |  |  |  |
| Eastern Pi   | ovince     | Kegalle       | 61                    |  |  |  |  |
| Trincomalee  | 26         | Ratnapura     | 62                    |  |  |  |  |
| Batticaloa   | 27         | Uva Prov      | rince                 |  |  |  |  |
| Ampara       | 28         | Badulla       | 71                    |  |  |  |  |
| Central Pr   | ovince     | Moneragala    | 72                    |  |  |  |  |
| Matale       | 31         | Southern Pr   | rovince               |  |  |  |  |
| Kandy        | 32         | Galle         | 81                    |  |  |  |  |
| Nuwara Eliya | 33         | Matara        | 82                    |  |  |  |  |
|              |            | Hambantota    | 83                    |  |  |  |  |

# Specimen Ledger Page for CDs of Digital Drawings - FVP (Maintain separate page for each FVP)

**FVP No.:** ......

| Sup No. | Sheet No. | CD No.            | Signature<br>of subject<br>officer |
|---------|-----------|-------------------|------------------------------------|
|         |           |                   |                                    |
|         |           |                   |                                    |
|         |           |                   |                                    |
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|         |           |                   |                                    |
|         |           |                   |                                    |
|         | Sup No.   | Sup No. Sheet No. | Sup No. Sheet No. CD No.           |

# Specimen Ledger Page for CDs of Digital Drawings – P. Plans

| Requisition No. | P.Plan No. | CD No. | Signature of subject officer |
|-----------------|------------|--------|------------------------------|
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|                 |            |        |                              |

# Specimen Ledger Page for CDs of Digital Drawings - FTP

(Maintain separate page for each FTP)

FTP No.: ......

| Requisition No. | Inset No. | Sup No. | Sheet<br>No | CD No. | Signature<br>of subject<br>officer |
|-----------------|-----------|---------|-------------|--------|------------------------------------|
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|                 |           |         |             |        |                                    |
|                 |           |         |             |        |                                    |

# **Specimen Ledger Page for CDs of Digital Drawings Tracings, Court commission, Engineering Surveys**

| Requisition No. | Plan No. | CD No. | Signature of subject officer |
|-----------------|----------|--------|------------------------------|
|                 |          |        |                              |
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## Image File Names for Quarter Field Sheets

("SurveyImage" software automatically creates these file names according to the values defined for Plan no., Inset no., Sup no. etc;)

## • FVP, FVP Supplements and FVP Sheets :-

FVP\_< District >< number >\_Sec<number>
FVP MAHA432
FVP MAHA432 Sec2
FVP\_< District >< number >\_Sup<number>\_Sec<number>
FVP MAHA432 Sup3
FVP MAHA23 Sup27 Sec4

## **FVP TLs**:-

FVP\_<*District*><*number*>\_TL<*number*>
FVP MAHA23 TL46

## FCP, FCP Supplements :-

## FCP TLs:-

FCP\_<number>\_TL<number>
FCP MAHA25 TL56

## • FUP and FUP Supplements :-

FUP\_< number>\_TL<number>
FUP MAHA25 TL56

#### • P. Plans:-

PPlan\_<number>\_Sec<number>
PPlan MAHA234
PPlan MAHA345 Sec2

#### P. Plan TLs:-

PPlan\_<number>\_TL<number>

PPlan CO345 TL23

#### • Topo PPs, Insets and Supplements:-

TopoPP\_<*District*>< number>\_ Sec<number>

TopoPP GAM7

TopoPP GAM7 Sec12

TopoPP\_<*District*><*number*>\_Inset<*number*>\_Sec<*number*>

TopoPP GAM7 Inset6

TopoPP GAM23 Inset6 Sec12

TopoPP\_<District><number>\_Sup<number>\_Sec<number>

TopoPP GAM23 Sup6

TopoPP GAM23 Sup6 Sec12

## Topo PP TLs:-

TopoPP\_<District> < number>\_Inset < number>\_TL < number>

TopoPP GAM23 Inset6 TL12

## • FTPs, Insets and Supplements:-

FTP\_<District><number>\_ Sec<number>

FTP PO7

FTP PO7 Sec2

FTP\_<District >< number>\_Inset<number>\_Sec<number>

FTP PO7 Inset3

FTP PO23 Inset6 Sec12

FTP\_<*District*><*number*>\_Sup<*number*>\_Sec<*number*>

FTP PO35 Sup23

FTP PO3 Sup6 Sec3

## FTP TLs:-

FTP\_<District><number>\_TL<number>

FTP PO23 TL12

#### • Cadastral Maps:-

CM\_<number>\_B<number>\_Sh<number>\_Sec<number>

CM 521234 B2 Sh4

CM 521234 B2 Sh4 Sec3

## Cadastral Map TLs:-

CM\_<number>\_B<number>\_Sh<number>\_TL<number>
CM\_521234\_B2\_Sh4\_TL23

## • <u>VP and VP Supplements</u>:-

VP <District><number> Sec<number>

**VP PO432** 

VP PO432 Sec2

VP\_<District><number>\_Sup<number>\_Sec<number>

## VP PO432 Sup3 VP PO23 Sup27 Sec4

## • <u>VP TLs</u>:-

VP\_<*District*><*number*>\_TL<*number*>
FVP PO23 TI 46

## • FSPP and FSPP Supplements :-

FSPP\_<*District*><*number*>\_Sec<*number*>
FSPP MAHA432

FSPP MAHA432 Sec2

FSPP\_<*District*><*number*>\_Sup<*number*>\_Sec<*number*>

FSPP MAHA432 Sup3 FSPP MAHA23 Sup27 Sec4

## **FSPP TLs**:-

FSPP\_<*District*><*number*>\_TL<*number*>
FSPP MAHA23 TL46

## FSP and FSP Supplements :-

FSP\_<District><number>\_Sec<number>

FSP MAHA432

FSP MAHA432 Sec2

FSP\_<District><number>\_Sup<number>\_Sec<number>

FSP MAHA432 Sup3

FSP MAHA23 Sup27 Sec4

## FSP TLs:-

FSP\_<*District*><*number*>\_TL<*number*>
FSP MAHA23 TL46

## • <u>ISPP and ISPP Supplements</u>:-

ISPP\_<District><number>\_Sec<number>

**ISPP MAHA432** 

ISPP MAHA432 Sec2

ISPP\_<District><number>\_Sup<number>\_Sec<number>

ISPP MAHA432 Sup3

ISPP MAHA23 Sup27 Sec4

## **ISPP TLs:-**

ISPP\_<*District*><*number*>\_TL<*number*>
ISPP MAHA23 TL46

## • Colony Plans and CP Supplements :-

CP\_< number>\_Sec<number>

CP MAHA432 CP MAHA432 Sec2 CP\_< number>\_Sup<number>\_Sec<number> CP MAHA432 Sup3 CP MAHA23 Sup27 Sec4

**CP TLs:-**

CP\_< number>\_TL<number>

CP MAHA23 TL46

• Misc Plans :-

<Plan Type>\_<District><number>\_Sh<Number>\_Sec<number> XXXX GAM423 Sh12 XXXX GAM423 Sh12 Sec2

## Misc plan TLs:-

## TL46

• Coordinate Sheets :-

<Traverse Number>\_Sh<Number>

PT 23/1967 Sh12

- If there is any plan only with Sheet number without Inset or Supplement numbers, then the image name may be defined as follows.
  - o eg: FVP Sheets:-

FVP\_< District >< number > \_Sh<number> \_Sec<number>
FVP MAHA432 Sh3
FVP MAHA23 Sh27 Sec4

# Specimen Ledger Page for CDs of Scanned Images

| CD No.    | Date Created | Signature of SS |
|-----------|--------------|-----------------|
| MAHA CD 1 |              |                 |
| MAHA CD 2 |              |                 |
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- I. Install the FileZilla software (it is in the CD provided) in to computer.
- II. Use the web access host: "www.survey.gov.lk" and use the reserved "Username" and "Password" to activate "FileZilla" and then press the button "Quick Connect".
- III. Your computer screen shows <u>your own computer</u> as "<u>Local Site</u>" at the left right side and the "<u>File Server</u>" computer as "<u>Remote Site</u>" at the right side of the screen.
  - Copy (Upload) the files listed in "Local site" in to "Remote Site"

|   |  | LIS     | Data |         | ]     | Drawing |              |       | Approved | Fixed data | Metadata | Signa | ature |
|---|--|---------|------|---------|-------|---------|--------------|-------|----------|------------|----------|-------|-------|
|   |  | Archive |      | Drawing | coord | extent  | cad<br>plans | Index | TL       |            |          |       |       |
| 1 | Digital Data<br>received<br>Name of CD   |         |      |         |       |         | •            |       |          |            |          | Syr   | SS    |
| 2 | Dist.S.O.<br>Copied to<br>folder         |         |      |         |       | ,       |              | •     |          |            |          | D'n   | nan   |
| 3 | Checked                                  |         |      |         |       |         |              |       |          |            |          | ] S   | S(HQ) |
| 4 | Amendments<br>Yes/NO                     |         |      |         |       |         |              |       |          |            |          | J     |       |
| 5 | If amendments available sent to field    |         |      |         |       |         |              |       |          |            |          | D'n   | nan   |
| 6 | Checked corrected digital data & sent CD |         |      |         |       |         |              |       |          |            |          | S     | S     |

| 7 | Digital Data<br>received after<br>amendments<br>(Name of CD) |  |  |  |  |  | D'man  |
|---|--|--|--|--|--|--|--------|
| 8 | Checked  |  |  |  |  |  | SS(HQ) |
| 9 | Copied to folder after amendment/No amendments               |  |  |  |  |  | D'man  |

District : Month :

| Plan<br>Type | Plan sheet no. | Block/Sup./Inset no. | Page no. | Requisition no. | D.S.Division | Information issued to | Remarks |
|--------------|----------------|----------------------|----------|-----------------|--------------|-----------------------|---------|
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# **CORRECTION SLIPS**