

# **SPECIFICATION 15 - PSP DATA COLLECTION**

## **CONTRACT JOB SPECIFICATIONS PERMANENT SAMPLE PLOT (PSP) DATA COLLECTION**

Dated 25th Feb 2010

### **1. INTRODUCTION**

This Contract Job Specification covers work associated with the establishment, maintenance and remeasurement of PSP's.

### **2. OBJECTIVE**

To provide a description of the work Pan Pac would like to be carried out by the contractor.

### **3. ALLOCATION OF WORK**

- The Company shall from time to time during the continuance of this agreement allocate the Contractor work associated with PSP's.
- The company will supply the contractor with stand maps showing the location of existing PSP's that need remeasuring or where new ones need to be established. The maps will also show stand boundaries, known hazards and restrictions.
- The Contractor will thereafter proceed with the establishment or remeasurement as documented in the Forest Research PSP User Manual.

### **4. COMPANY'S RESPONSIBILITIES**

**General:** The Company will supply to the Contractor, prior to the commencement of work, the following information:

- a) Stand maps showing the positions where PSP's need to be established, remeasured or maintained. The maps will also show stand boundaries, known hazards and restrictions.
- b) The company will supply the contractor with the Forest Research PSP Data Capture program required for establishment and remeasurement.
- c) If remeasurement is required the company will supply the contractor with an electronic copy of the last measurement (\*.nds file) to be used as the basis for the data collection. Electronic data will be supplied by disc or Email.
- d) Any amendments to standard PSP data collection practice e.g. requirement to gather supplementary data such as density cores, soil samples.
- e) A priority list for the plots to be measured
- f) Target completion date

## 5. PSP PROCESS FLOW CHART AND CONTRACTOR REQUIREMENTS

PSP's plots are required to monitor growth and yield. The data is used to create or check growth and yield related functions.

### **PSP Establishment**

- o New PSPs should be located using either hip chain and compass or GPS. The Contractor will establishment the PSP at the location shown on the map provided by the company while using the procedures as documented in the Forest Research PSP user manual.
- o Circular plots are required.
- o All new PSP's should have an area of 0.10 Ha.
- o New plot data needs to be recorded electronically using PSP Data Capture (PSPDC) software provided by the company.
- o The company will supply pegs (usually 50mmx50mmx1.4m treated pegs) required to mark the plot centre of new plots.
- o The plot number should be marked on the tree nearest to the plot centre.
- o All plot trees should be numbered with yellow painted numbers facing the plot centre.
- o The edge trees on either side of tracks leading to PSP's should be marked with yellow paint and the signage  $\neq$ .

### **PSP maintenance**

- o From time to time the company may require the contractor to repaint existing track access points or trees within existing plots.

### **Plot Remeasurement**

- o All remeasurements will be recorded electronically using PSPDC.
- o Any plot maintenance, if required and if weather conditions permit, should be carried out while visiting the plot.
- o Plots that will require future maintenance should be noted with a list of plot numbers being provided to the forest analyst.

### **Completion of a stand**

- o Completed stand data should be provided electronically to the Forest Analyst via computer disk or Email on a monthly basis or on completion of a scheduled Forest or Block.
- o Comments relating to any irregularities in the plot or plots e.g. storm or animal damage should be documented and sent to the Forest Analyst.
- o Field maps should be sent to the forest analyst if issues relating to location are found.

## 6. AUDITING

- o The Company may arrange for the auditing of any plots measured by the contractor.
- o The Company will supply the contractor with a description of the auditing standards prior to the commencement of any work that will be subject to audit.
- o If the contractor fails to meet these standards the company will decide what proportion of the plots within the stand will need to be remeasured. In general 1 plot failure will result in a maximum of 10 plots requiring remeasurement. This remeasurement will be done at the contractors time and expense.