

34th North Luzon Assembly

Simple Surveying Tools and Methods

Point Cloud Control and eTD

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<http://gepr3.org>

“Stronger and United GEP to Sustain
Global Competence”

November 22-23, 2018

Hotel Supreme Convention Plaza

Magsaysay Avenue, Baguio City

Tools

- Spreadsheet
- Computer Aided Design (CAD)
- Geographic Information Systems (GIS)
- Web Application Systems

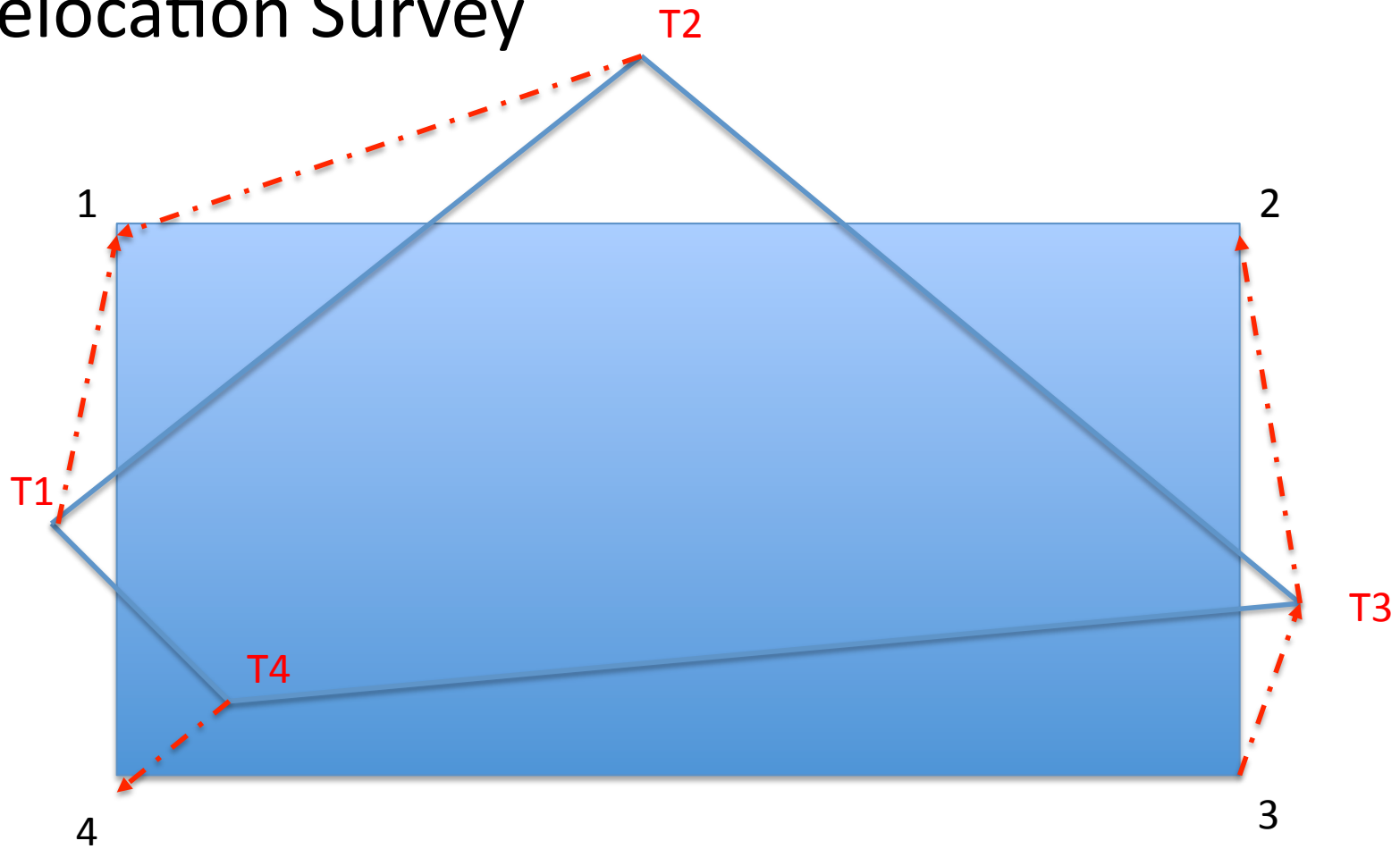


Discussion

- Point Cloud Control
 - Scope: Relocation Survey
 - Situationnaire: Common Point Problem/Solution
 - Tools/Equipment Used: Total Station (Prismless), Laptop, Spreadsheet, CAD/GIS
 - Next Step : Proposal Point/Line Reference Survey Methodology
- eTD
 - Application form for accreditation
 - Accreditation
 - Transmission: eTD Software
- Presentation of Results
 - Web-based GIS/Application

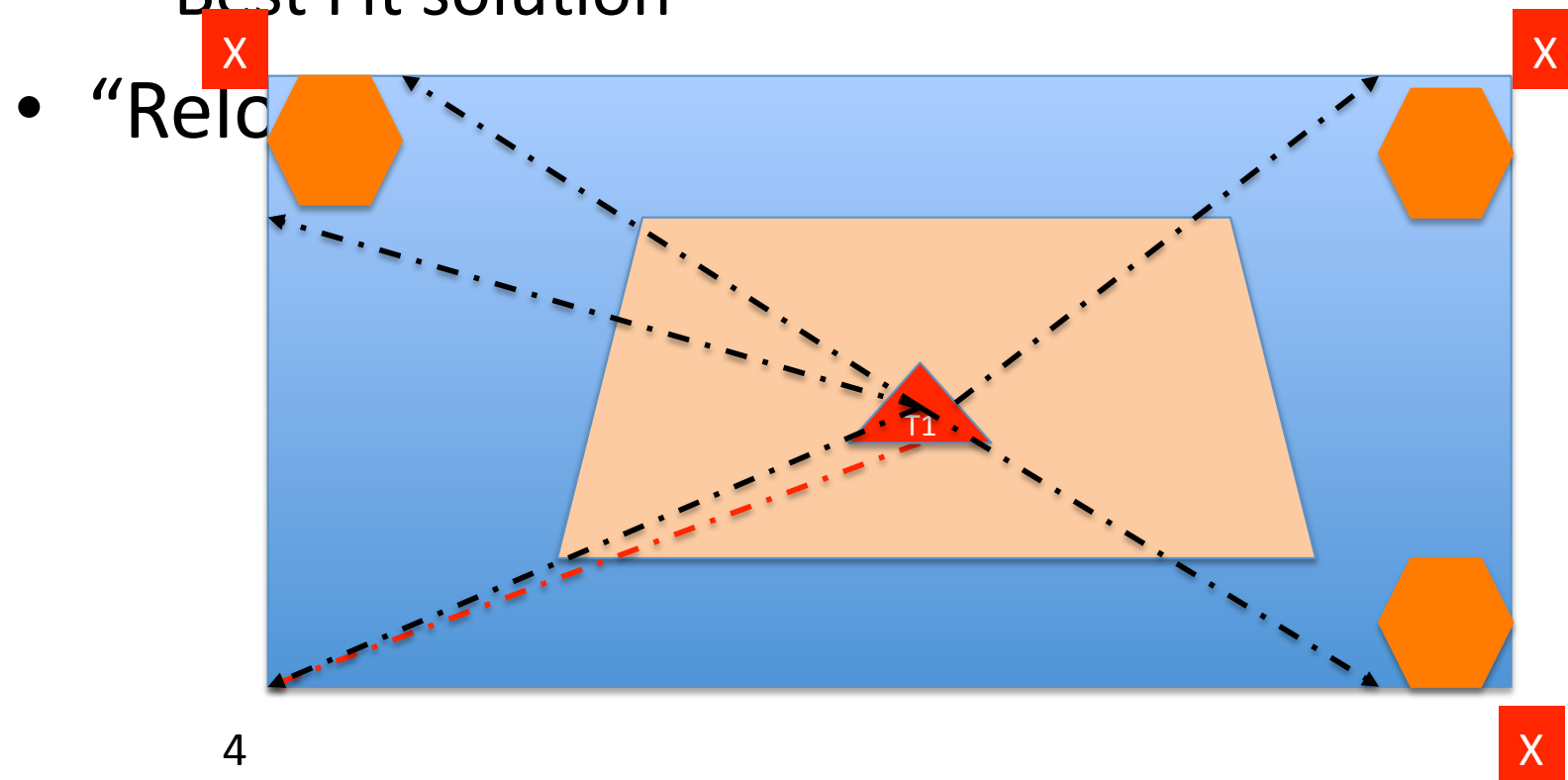
Point Cloud Control – Scope

- Relocation Survey



Point Cloud Control – Situationnaire

- Common Point Problem/Solution
 - Minimum of two points
 - Best Fit solution



Point Cloud Control - Tools/Equipment Used

Total Station (Prismless),

Laptop,

Spreadsheet,

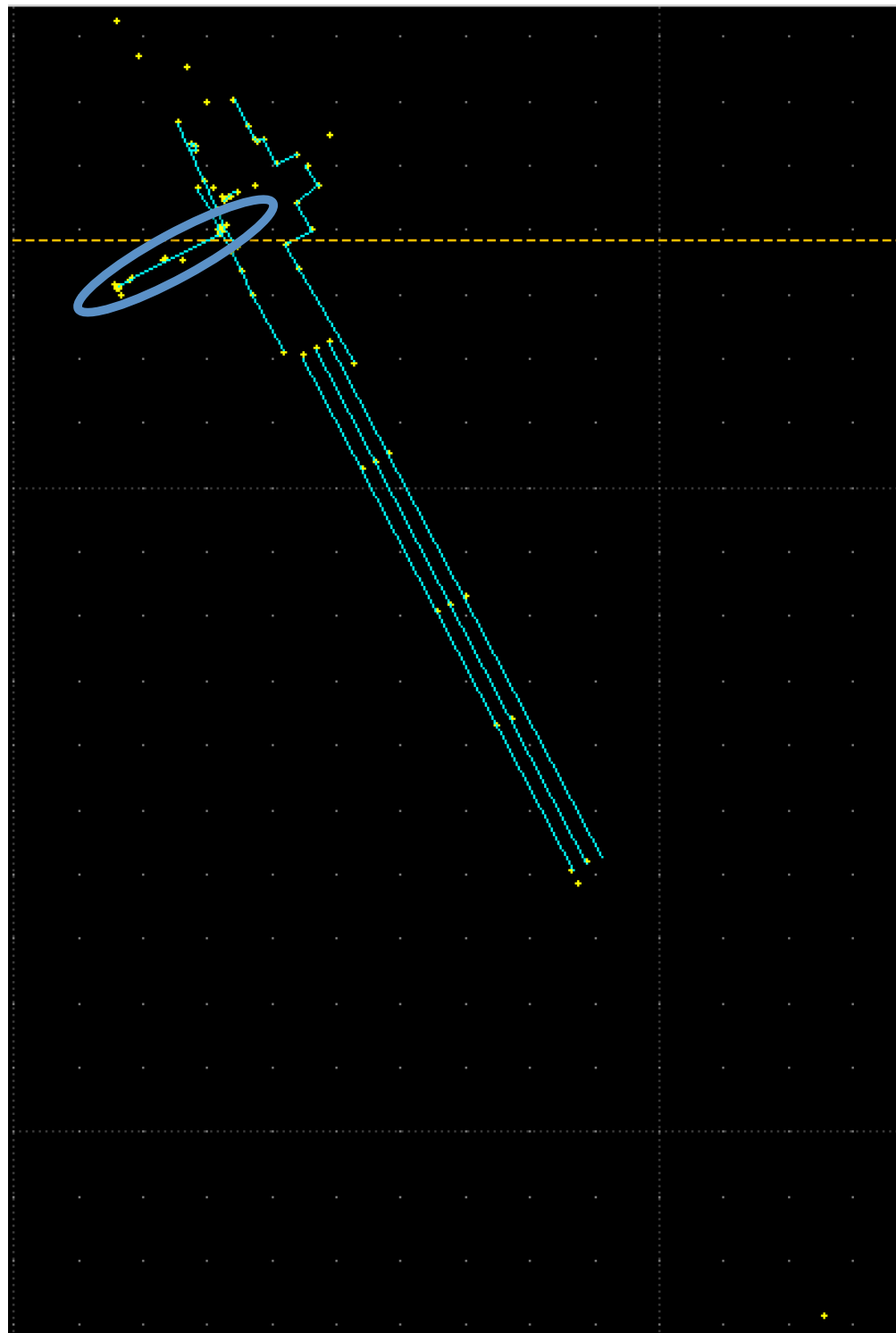
CAD/GIS

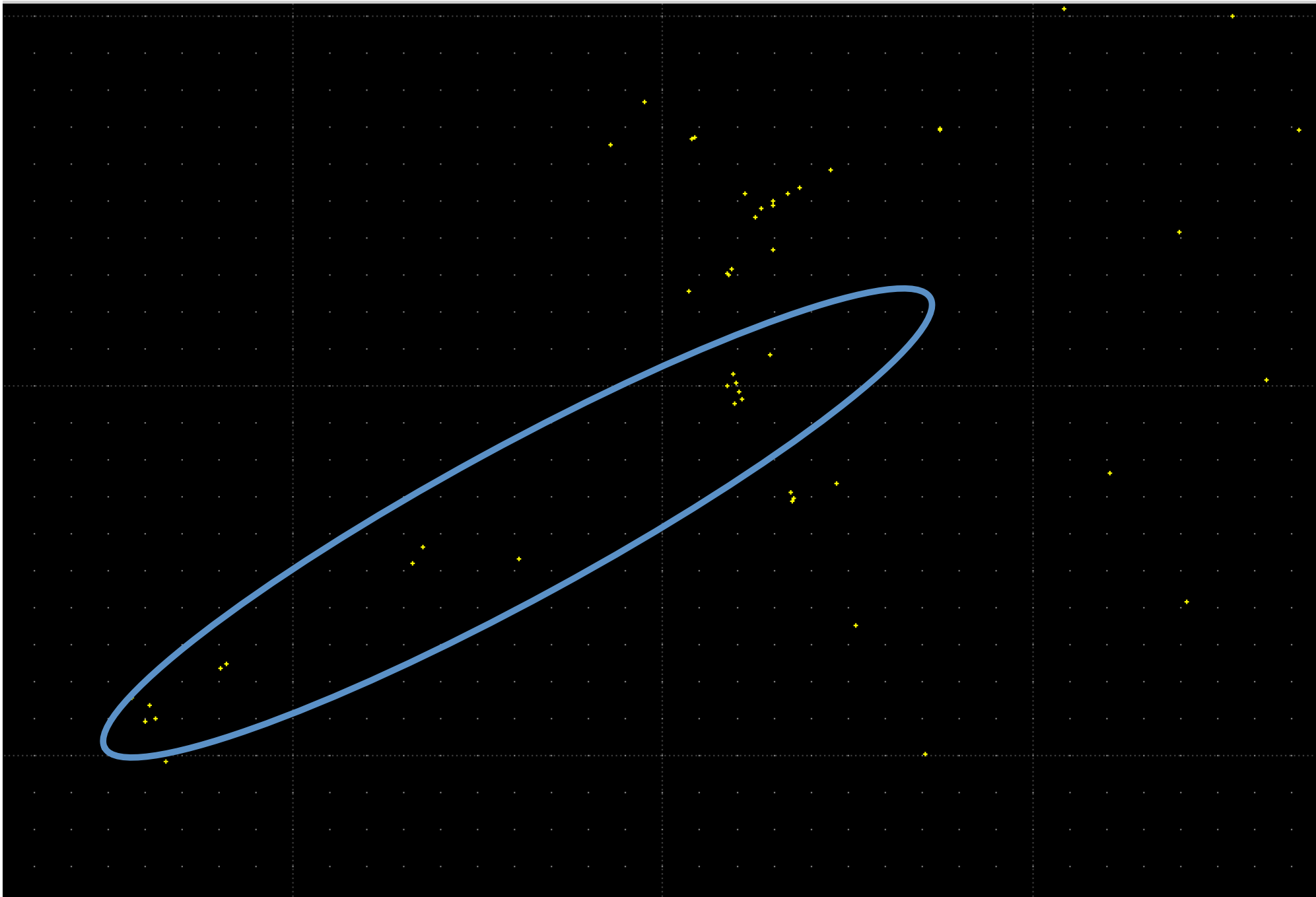
Methodology

- Research
 - Title
 - Survey Plan
- Field Work
- Computation / Analysis
- Report / Plan

Methodology







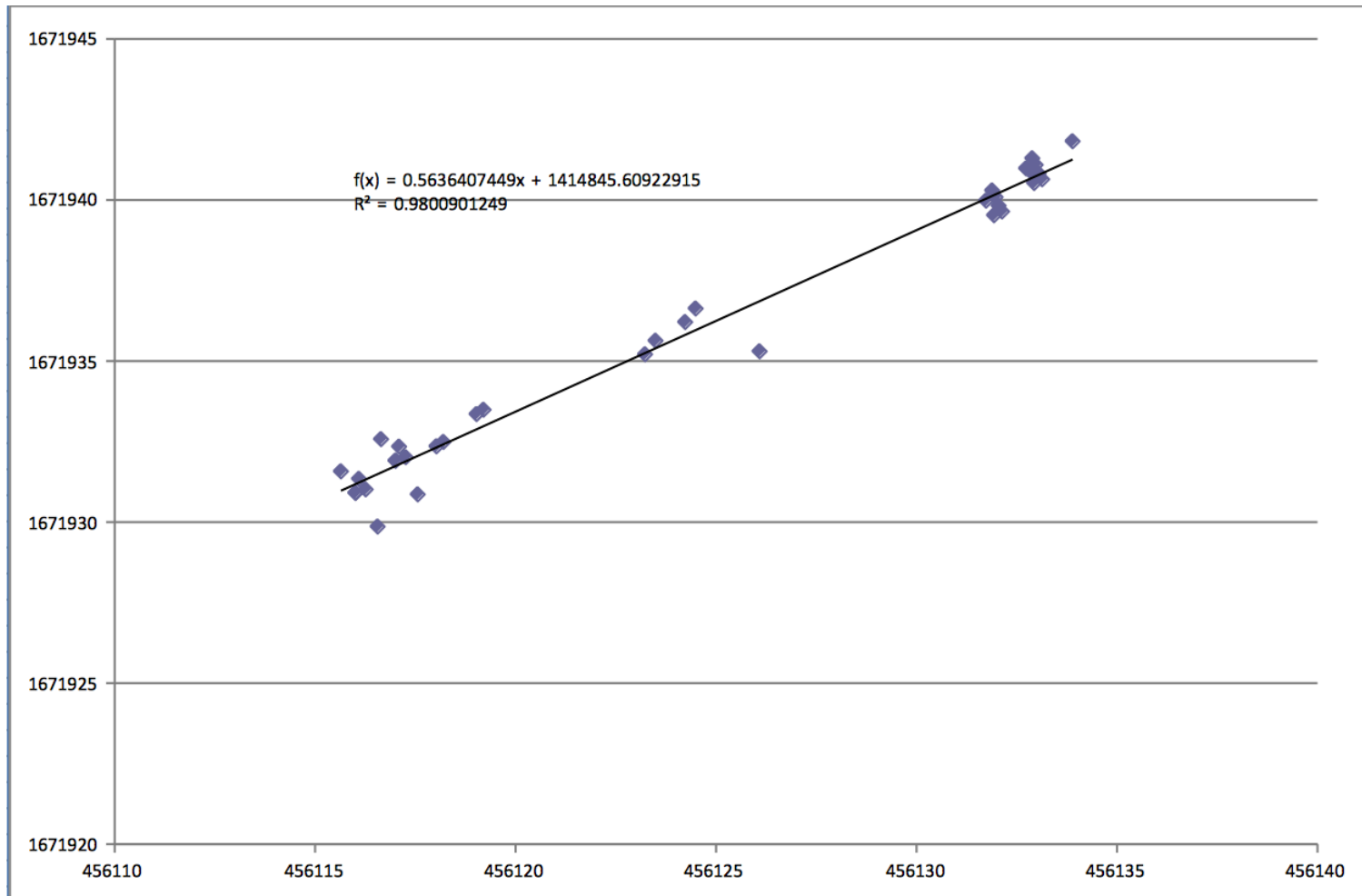
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Regression Line: $y=m*x+b$

$y=m*x+b$				1671935.394	
					The intercept (often labeled the constant) is the expected mean value of Y when all $X=0$. Start with a regression equation with one predictor, X. If X sometimes = 0, the intercept is simply the expected mean value of Y at that value.
$m = \text{SLOPE}(\text{Data_Y};\text{Data_X})$				0.5636407449	
$b = \text{INTERCEPT}(\text{Data_Y};\text{Data_X})$				1414845.609	
					R²coefficient of determination is a statistical measure of how well the regression line approximates the real data points. An R ² of 1 indicates that the regression line perfectly fits the data.
$r^2 = \text{RSQ}(\text{Data_Y};\text{Data_X})$				0.9800901249	

Regression Line



Point Cloud Control - Next Step(s)

Proposal: Point/Line Reference Survey Methodology

Amend/Modify Survey Manual

“Best Fit”

eTD - Application

PHILARIS-eTD APPLICATION FORM FOR ACCREDITATION

- Application Form

Name of Developer	Company Name (if applicable)
Head Office Address	
Phone Number	
Fax Number	
Mobile Number	
Name of Contact Person	Engr. Geodetic Engineer
E-mail address to be used	email address
Geodetic Engineer	Engr. Geodetic Engineer
License Number	PRC GE NO
Website	http://www.your.com

I, the undersigned authorized representative of **COMPANY NAME** do hereby apply with the Land Registration Authority (LRA) for accreditation for its PHILARIS-eTD System.

I acknowledge that:

- I have read and understood the PHILARIS-eTD requirements and agree to abide by them.
- I certify that the email address [Email@Address.com](#) is an official email address of the company and such only shall be used for communication with LRA.
- I certify that, to the best of my knowledge, all information supplied is accurate and truthful.
- I certify that, to the best of my knowledge, all emailed documents accurately reflect the contents of the original documents.
- I certify that, to the best of my knowledge, any emailed documents are free from any virus, worms, Trojans and any other malware.

Signature

Date

Name: Engr. GE
Position: Position / Geodetic Engineer
NAME of Company

17 March 2018

eTD - Accreditation

- Email account accreditation

Dear Sir/Madam,

Please be informed that your e-mail account has been **successfully accredited for PHILARIS eTD System. Please confirm receipt of this by replying to this message. Thank you.**

SER JOHN C. PASTRANA

**Chairman, Project Development and Coordination Committee
Land Registration Authority**

eTD -Transmission

- PHILARIS eTD Installer and Guidelines
PTED Installer 2015.rar

Dear Sir/Madam,

We respectfully transmit herewith the installer for Philaris Encoded Technical Description System Version 2.0 (“eTD”)

This is to inform you that effective July 1, 2015, only this version shall be acceptable for use Please see attached User Guide for your guidance.

Thank you.

eTD XML File

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In computing, Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. - <https://en.wikipedia.org/wiki/XML>

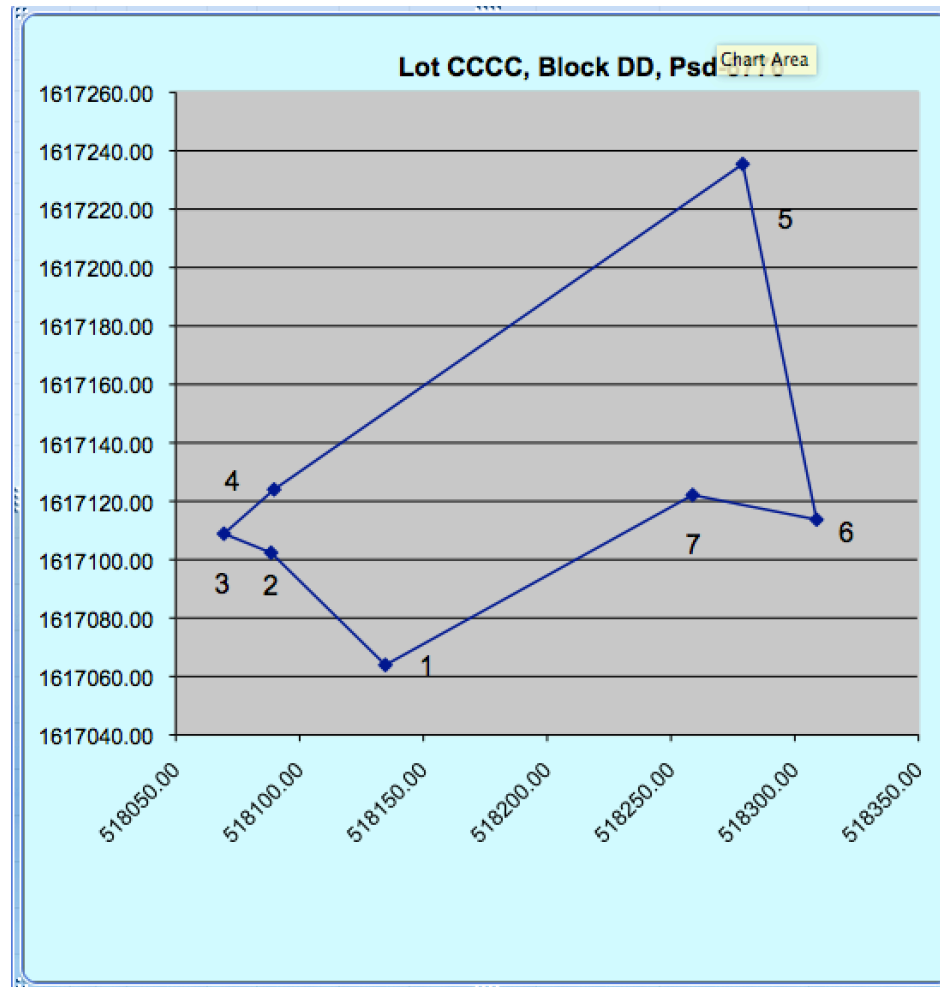
eTD – Spreadsheet Version

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PROVINCE / METRO:		PAMPANGA			OCT / TCT NO:		2352345	Square Meters	
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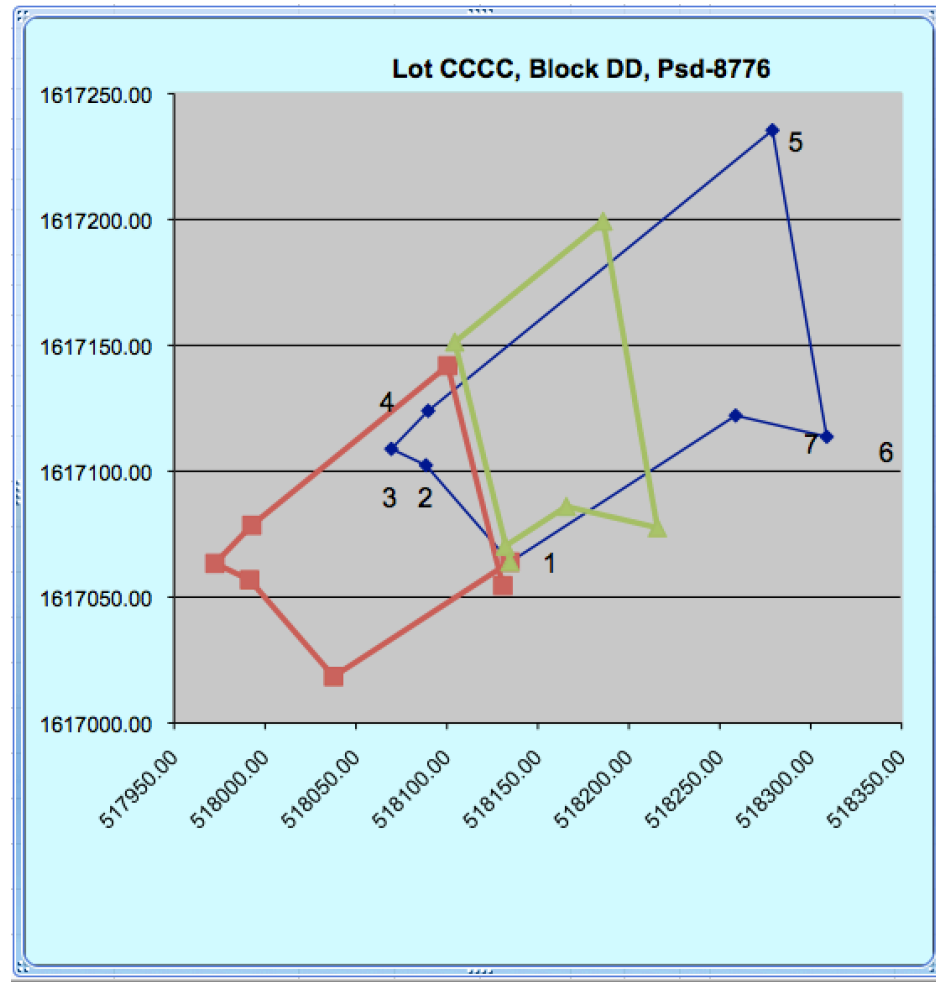
eTD XML File Format

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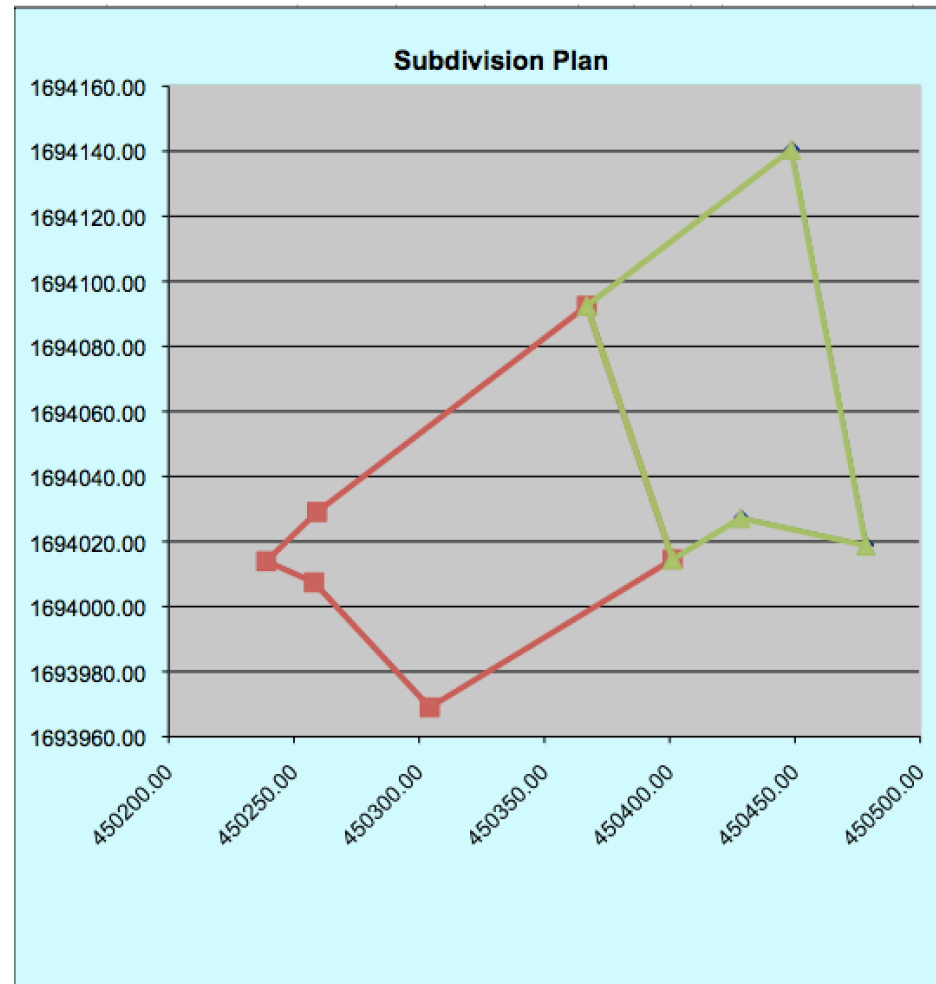
eTD – Spreadsheet Version



eTD – Spreadsheet Version



eTD – Spreadsheet Version



Google Earth



Internet / Web-based

Google APIs



Call for proposals for CY 2020 DOST-GIA Program

Dear *Researchers and Partners*:

In line with the call for proposals for CY 2020 DOST-GIA Program, please find below the list of documents that must be submitted:

Description DOST Form

- 1. Program/Project Proposal**
 - a. Capsule**
 - b. Full-Blown Form 1A/1B Form 2A/2B**
- 2. Workplan Form 2B-1**
- 3. Budget Breakdown Form 2B-2**
- 4. Line-Item Budget Form 2B-3**
- 5. 1-page curriculum vitae of program/project leader-**
- 6. Endorsement of agency head.**

Downloadable forms can be accessed in the DOST website through this link:

<http://www.dost.gov.ph/knowledge-resources/downloads/category/4-forms.html>

We would like to remind you that submissions with incomplete requirements will not be processed. Refer to the attached file for the signed version of this message.

Thank you.

Special Projects Division

Department of Science and Technology

Rm. 302, DOST Bldg Gen. Santos Ave., Bicutan, Taguig City

Tel No.: 837-2071 to 82 loc 2031 Telefax: 837-7532

Dakal Pung Selamat!

THANK YOU!

Mayap a Aldo keka yu ngan!

Any Comments / Suggestions / Questions:

dexter@grageda.com