



Florida Department of
TRANSPORTATION



RCI Mobile Equipment

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Date: 8/29/2016 – 9/1/2016

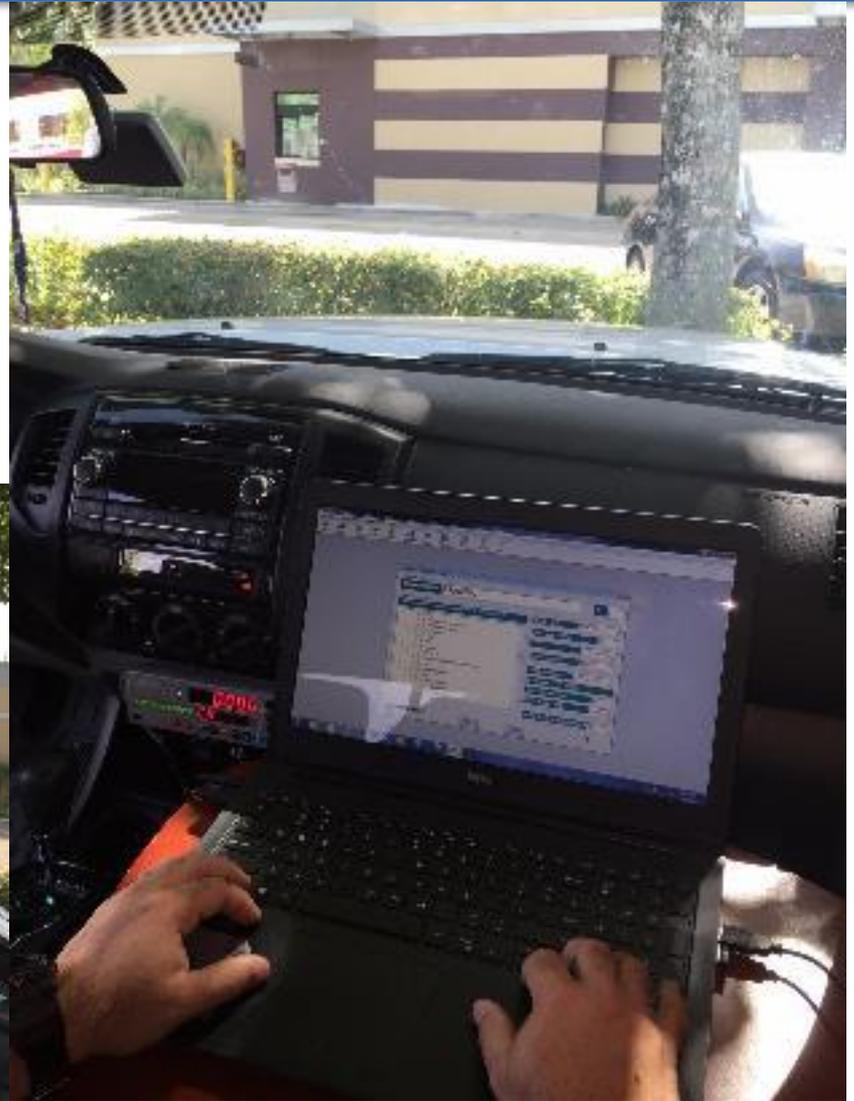
Pre-Field Inventory

- SLD'S
- Print out from IView
- Lists
- Maps
- Google
- Any other available resources



Mobile Equipment

- Laptop
 - WinRac Plus - software
- GPS
- DMI



Data Results

Event #	Event Code	Event Description	Comment	Total Distance (Miles)	Interval Distance (Miles)	DMI Clock	Elapsed Time	Speed (MPH)	Latitude	Longitude
1	-1	START Survey		5.883	0.000	00:00:58	0	0	26° 54.3934'	-80° 17.8368'
2	0	OOPS!		5.883	0.000	00:01:00	60	0	26° 54.3934'	-80° 17.8368'
3	12	215-Change of Median	08-	5.883	0.000	00:01:11	71	0	26° 54.3934'	-80° 17.8368'
4	15	219-Beg of Ins.Shoulder	1- R/L	5.883	0.000	00:01:26	86	0	26° 54.3934'	-80° 17.8369'
5	10	212-Change of Lanes	DIV 2-24' R	5.883	0.000	00:01:45	105	0	26° 54.3934'	-80° 17.8369'
6	12	215-Change of Median	08	6.213	0.330	00:03:18	198	10	26° 54.2240'	-80° 17.5785'
7	15	219-Beg of Ins.Shoulder	1- R/L	6.214	0.001	00:03:25	205	0	26° 54.2231'	-80° 17.5768'
8	3	251-Intersection 45 Left	PRATT WHITNEY	6.365	0.151	00:04:01	241	10	26° 54.1712'	-80° 17.4468'



Questions?





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PTMS Remote Data Collection

with
4G/LTE Configuration System

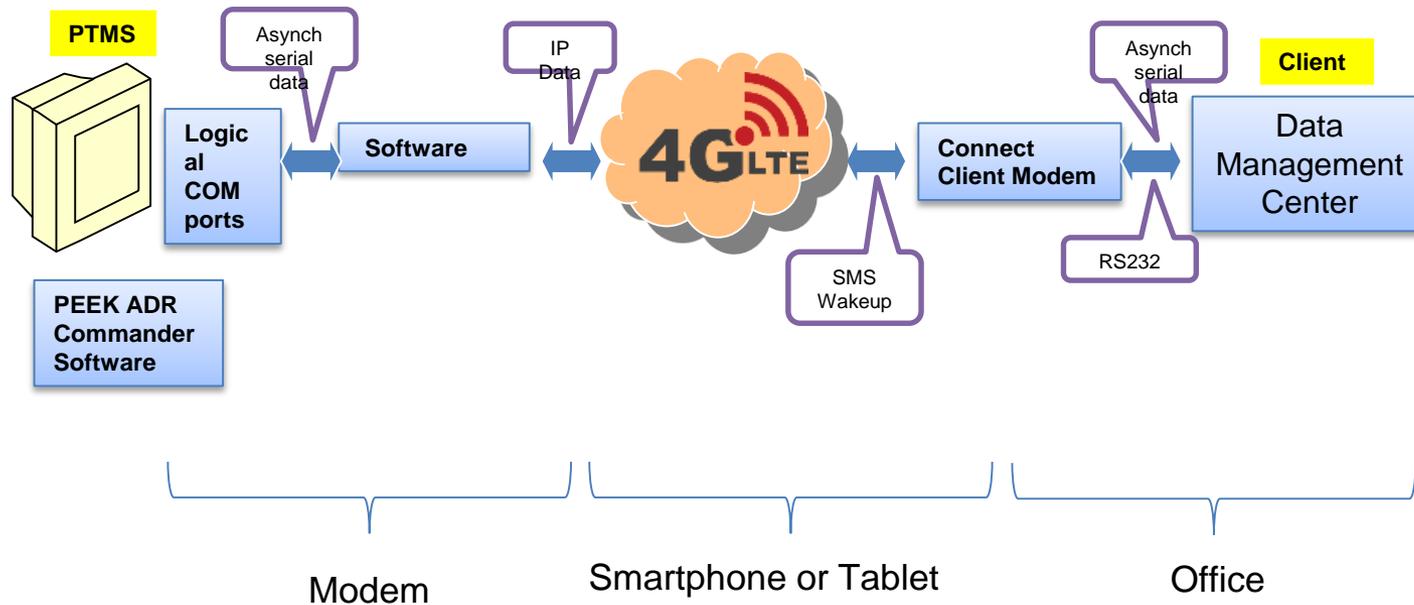
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Background

- In 2006-2007 FRA Performed PTMS Data collection using InvisiConnect System to Enable Data Acquisition from PTMS for District 6.
- Provided TTMS Functionality at Multiple Existing PTMS Sites:
 - Stations 872560 and 870045 Miami-Dade.
 - Station 900065 Monroe county.
- New Technology Enables us to collect PTMS Data using 4G/LTE System to access, manage and store your PTMS data on your smartphone, tablet, etc..

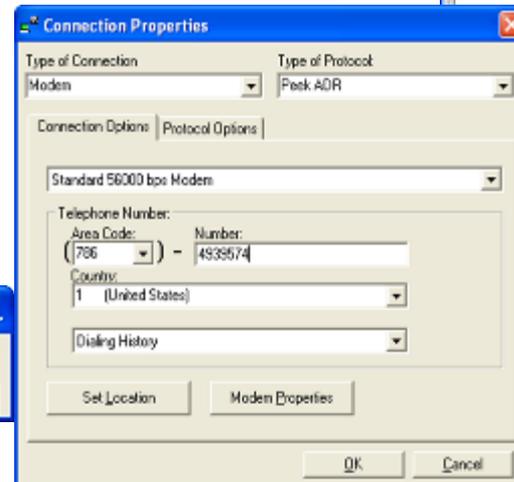
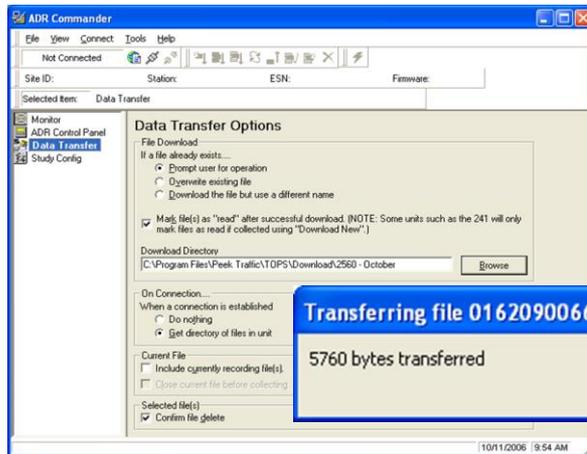
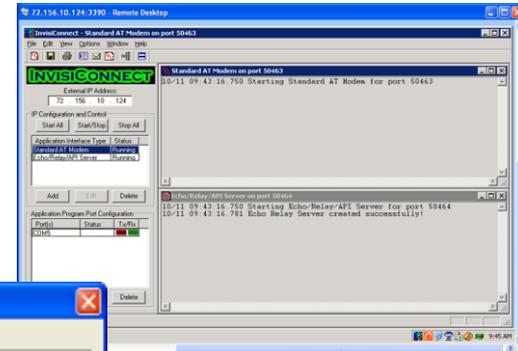


Overview



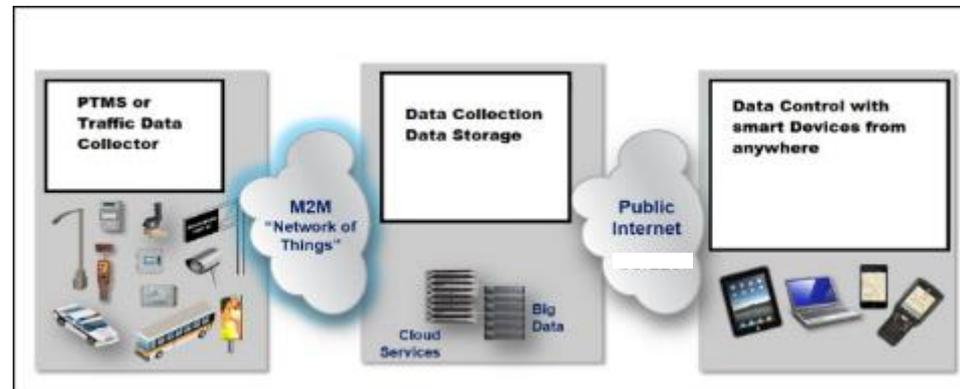
Retrieve Remote Data Steps

1. Confirm that InvisiConnect is Running on Server - Runs as a Windows Service
2. Start InvisiConnect on Local Workstation/Laptop
3. Start ADR Commander; set Data Transfer and Connection Settings
4. 4G/LTE connection to remote device(Cellphone or Tablet) to monitor and control the data
5. Click on Connect Icon and Wait for Connection (~30 Seconds); All New Files are Displayed
6. Click on Icon to Download all New Files; User will be Shown Download Progress
7. When Download is Completed File Icons will Change to Indicate that Files were Downloaded



Concept

- Link based configuration for the connected PTMS will ensure flexibility and dynamicity of any Data that transfer.
- Open Mobile Alliance based Device Management layer to manage the PTMS hours and data.
- M2M data processing using semantic web technologies promises the development of novel PTMS Database.



Benefits

- Provide TTMS Functionality at Multiple Existing PTMS upon TRANSTAT request.
- Retrieve Gathered Daily Count Data Remotely.
- Access to Data from Smartphones or tablets with LTE-advanced cellular networks with M2M communications.
- Reduce Total Cost of Site Operation While Simultaneously Providing a More Comprehensive Data Product.



Questions?

