

# CDG IRT Update

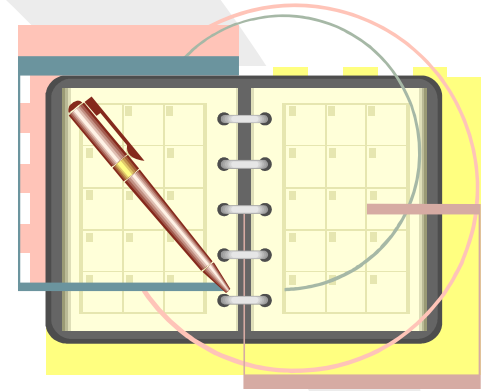
**CDG LARC 08  
Cancun, Mexico  
May 13-15, 2008**

**Ricardo Sarti  
rsarti@cdg.org**



# Agenda

- **CDMA International Roaming Team**
- **IRT Meeting Calendar**
- **Roaming Growth and Highlights**
- **CDG CRIET. A tool for roaming**
- **CDG IRT Initiatives - 2008**



# CDMA International Roaming Team

## Charter:

- **Developing open standards and interfaces for CDMA international roaming**
- **Working with individual carriers to understand and deploy international roaming infrastructure**
- **Developing documentation that will serve as reference for carriers preparing to roam with other carriers**



# CDMA International Roaming Team update

- Co-Chairs:
  - Kyoko Uchida, KDDI
  - Dave Wittekind, Sprint
- Marketing Working Group:
  - Frank Lin, China Unicom
  - Robin Thomas, MACH-Cibernet
- Packet Data Working Group:
  - Nars Haran, US Cellular
  - Bryan Cook, Qualcomm
- Voice and SMS Working Group:
  - Libby MacKay, Qualcomm
  - Daniel Salek, Qualcomm



# IRT Meetings – 2008

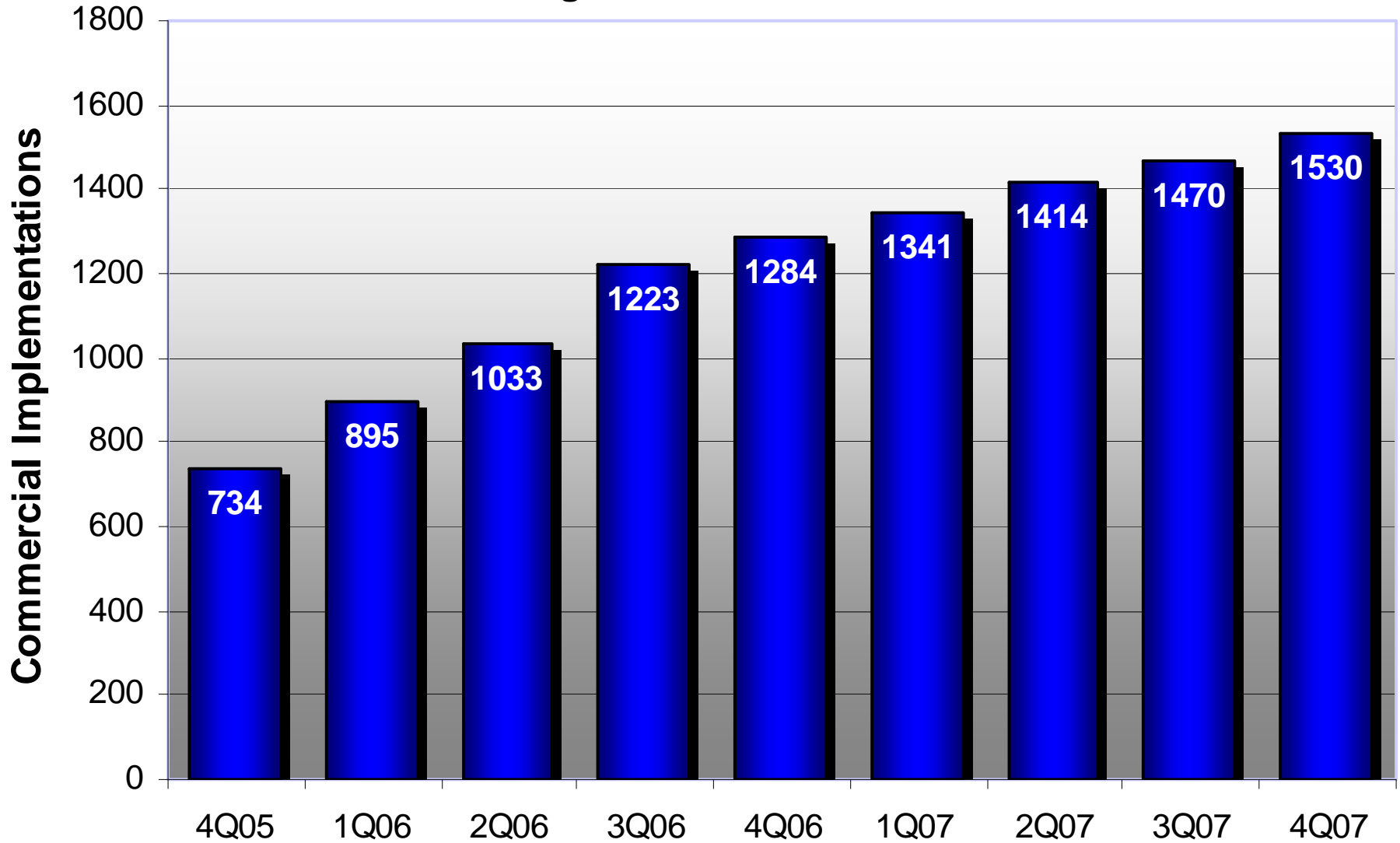
Date	Location	Host/Sponsor
May 21-23	Beijing, China	China Unicom
September 3-5	Vancouver, BC Canada	Syniverse
December	TBD	TBD

For meeting information, send email to [roaming@cdg.org](mailto:roaming@cdg.org)



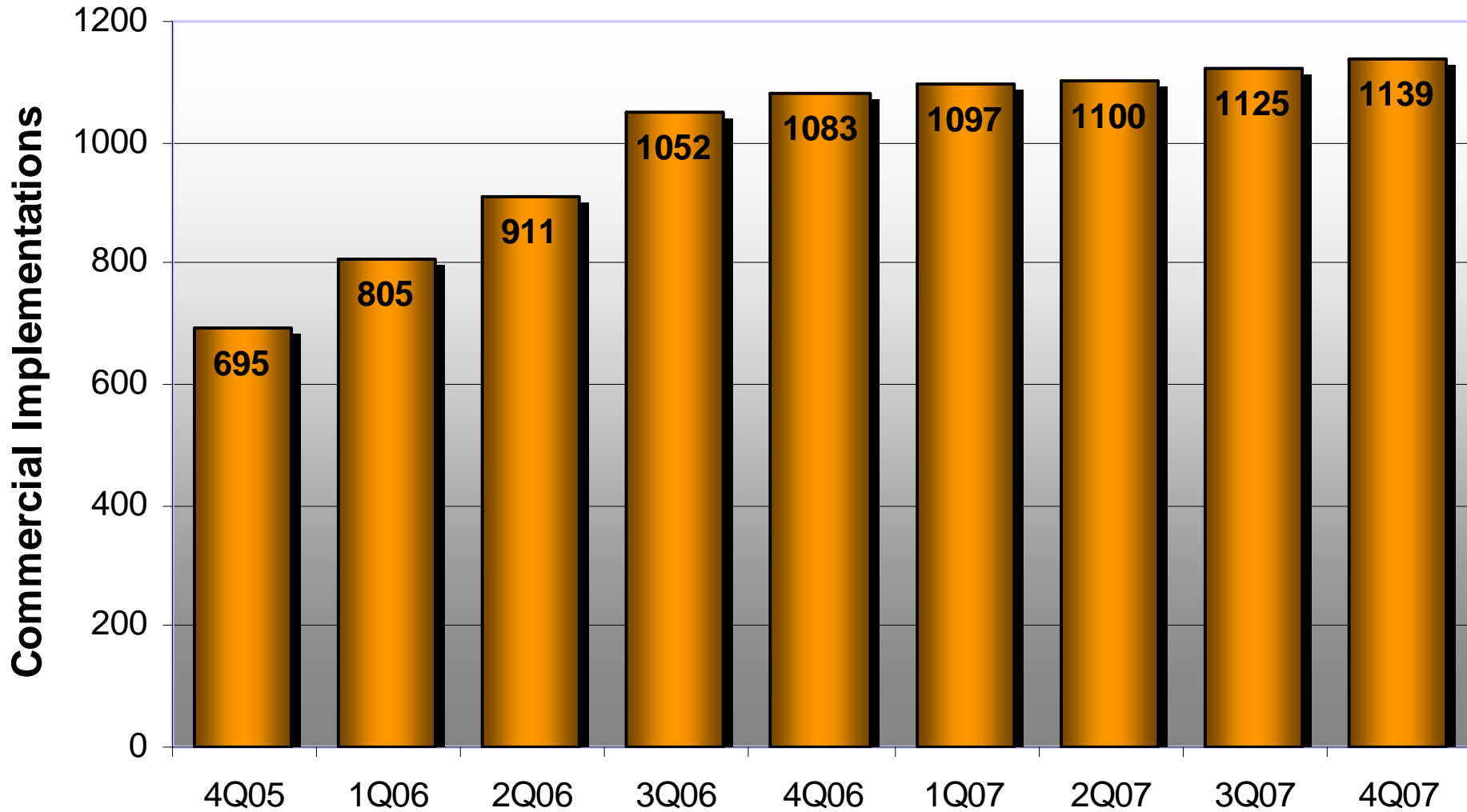
# CDMA Roaming Growth - Total

19% growth in CY2007



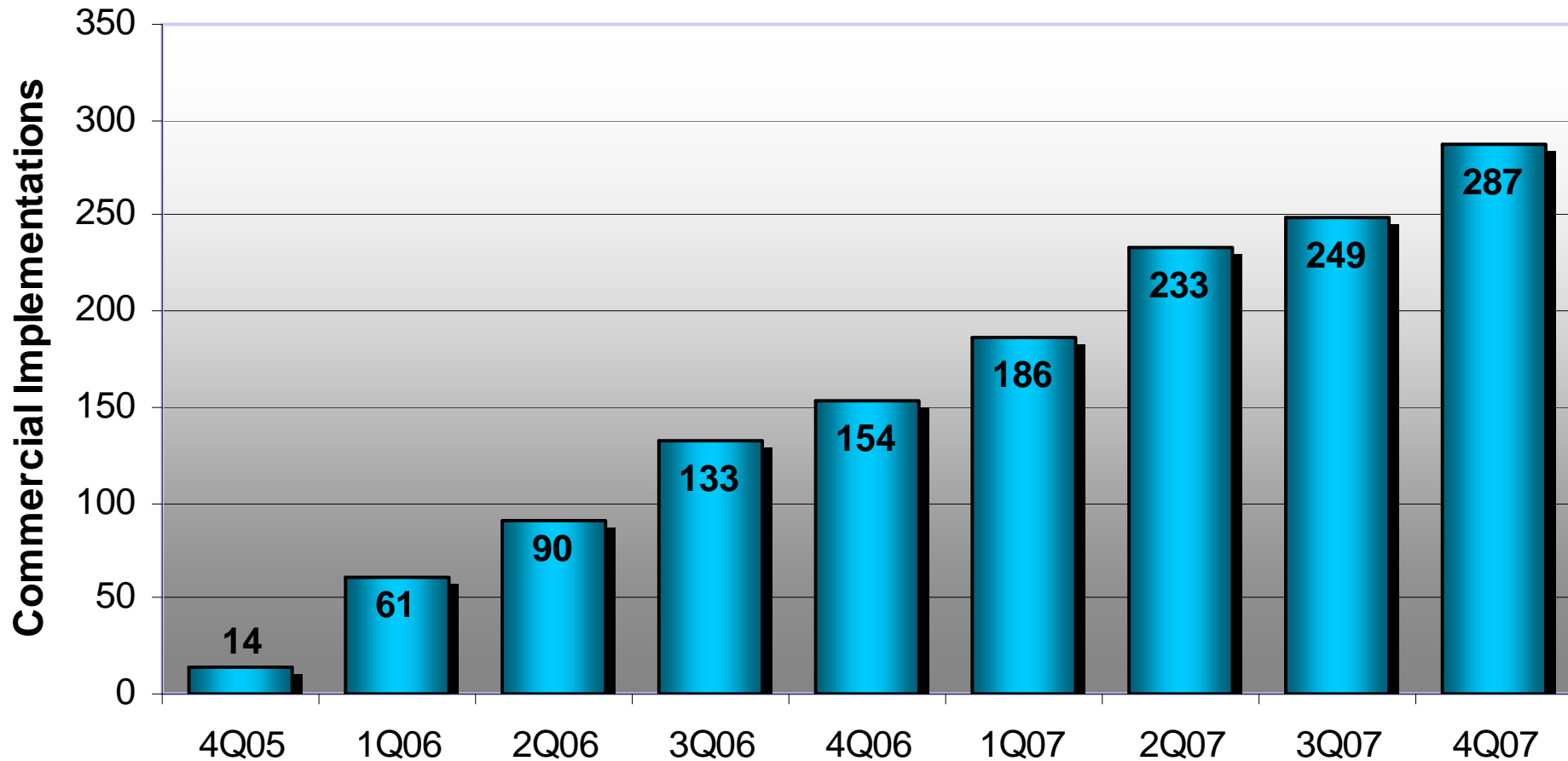
# CDMA Roaming Growth - Voice

5% growth in CY2007



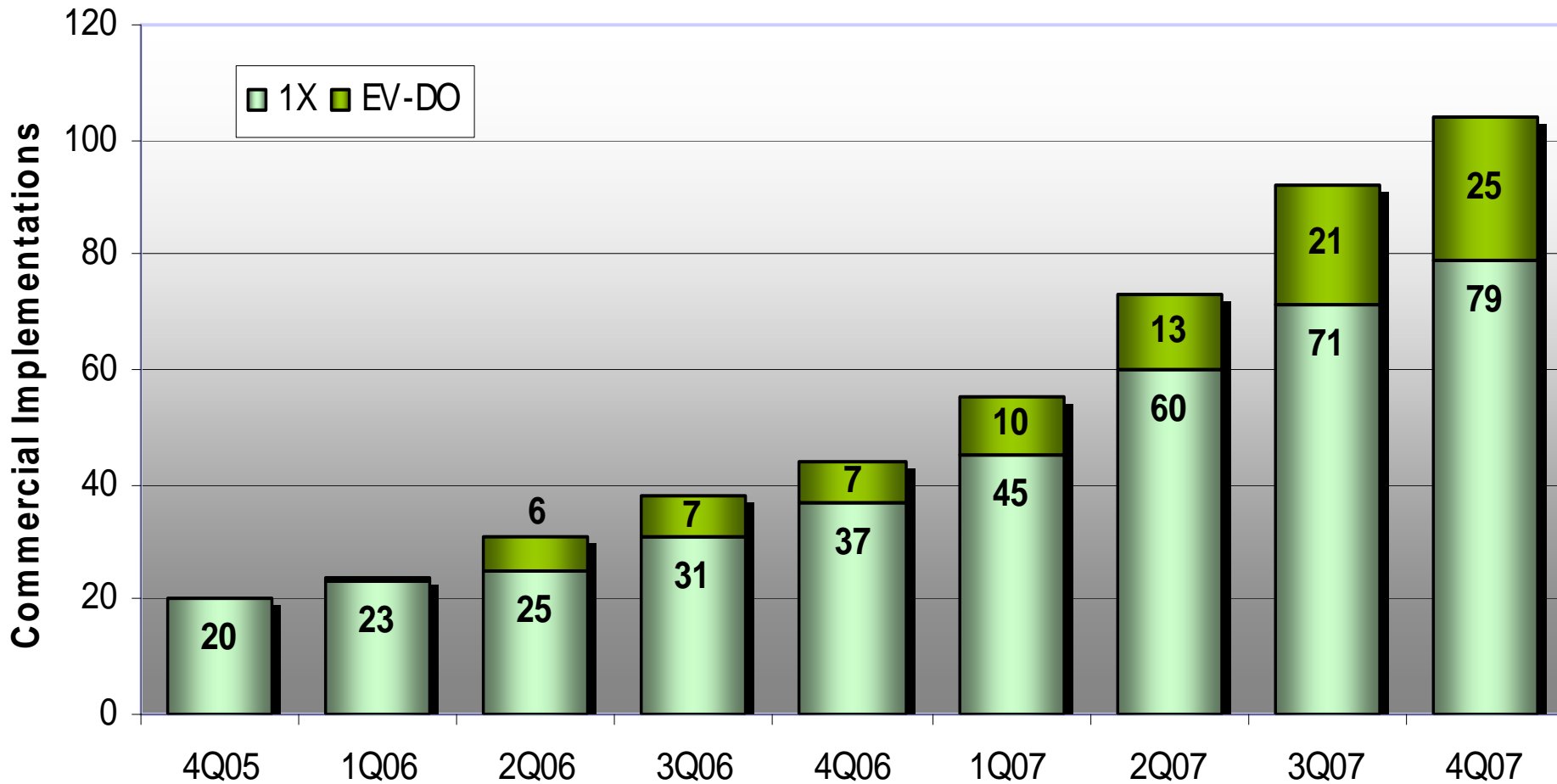
# CDMA Roaming Growth - SMS

86% growth in CY2007

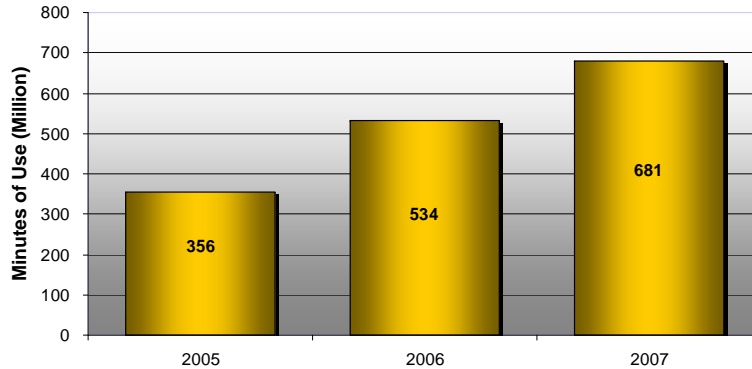


# CDMA Roaming Growth – Packet data

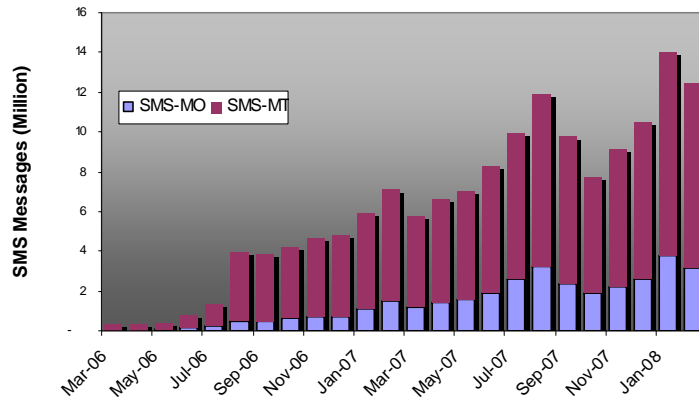
121% growth in CY2007



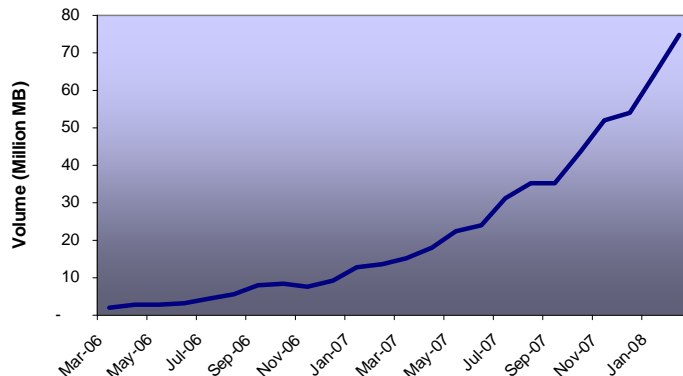
# Roaming Traffic Growth



**Voice traffic: MoUs increased 28%  
2007 vs. 2006**  
5% growth in implementations CY07



**SMS (MO + MT): 118% growth  
Dec '06 vs. Dec '07**  
86% growth in implementations CY07



**Packet Data Volume: 478% increase  
Dec '06 vs. Dec '07**  
121% growth in implementations CY07

Absolute numbers are sampled data. Direct connections between operators are not included



# CDMA Roaming Information Exchange Tool (CRIET)

- Purpose
  - This tool was developed upon request and with input from the CDMA international roaming industry to allow the CDMA roaming industry to easily and securely exchange roaming information between companies
- How it works
  - Register for the application
  - Indicate who you want to see your company files
  - Upload your company files
  - Approved partners are notified that a new file has been uploaded
  - Download files from your partners
- Who can use the tool
  - Carriers involved in CDMA roaming
  - Vendors involved in CDMA roaming



# CRIET Access

[www.cdg.org](http://www.cdg.org)

**NEWS & EVENTS**

- CDMA TECHNOLOGY
- CDMA WORLDWIDE
- CDMA RESOURCES
- MEMBER SIGN-IN**

**2006**  
**1xEV-DO Rev A:**  
the first mobile multimedia network deployed

**CDG** CDMA DEVELOPMENT GROUP

SITE SEARCH  GO

**NEWS** **TECHNOLOGY** **MEMBERSHIP**

**CDMA HIGHLIGHTS**

- Maximizing Network Value: Capitalizing On The Next Wave Of Mobile Broadband Data Applications  
By CDMA Development Group, October 2007
- GHRC: CDG: Enabling 3G For All Through Affordable Devices  
By CDG, October 2007
- KDDI Case Studies  
By CDG, October 2007
  - LBS: Peace Of Mind
  - M-Commerce: Making Money Mobile
  - Music: Music-To-Go
  - Search: Information On Demand

[More 3G Resources](#)

**PRESS RELEASES**

- December 5, 2007**  
3G CDMA Industry Achievements Awards Presented In Hong Kong
- December 4, 2007**  
CDMA Continues Rapid Expansion In Asia-Pacific Region
- November 29, 2007**

**3G**

**Quick Market Facts**

- 250 commercial operators
- 99 countries
- 246 commercial 1X networks
- 28 1X networks in deployment
- 82 commercial 1xEV-DO Rel. 0 networks
- 53 1xEV-DO Rel. 0 networks in deployment
- 17 commercial 1xEV-DO Rev. A network
- 34 1xEV-DO Rev. A networks in deployment
- 400,400,000 CDMA2000 subscribers (3Q 2007)
- 83,000,000 CDMA2000 1xEV-DO subscribers (3Q 2007)
- 1,910 devices have been introduced in to the market including 492 1xEV-DO Rel. 0 and 43 1xEV-DO Rev. A devices (as of January 22, 2008)

[View a full list of CDMA2000 Market Statistics](#)

A family of 3G and next-generation standards to meet the rapidly evolving demand for wireless communications

**Market Trends**  
Highlights CDMA2000 leadership in delivering advanced services across the market.

**MEMBERS**

**KYOCERA** Membership has its benefits. Join the CDG.

**3G CDMA INDUSTRY ACHIEVEMENT AWARDS** [View Awards Recipients](#)

**Customer Focus Innovation Steady & Sustainable Growth Harmony** **HUAWEI**

**CDG** IN ASSOCIATION WITH **QUALCOMM**

**CDMA Roaming Information Exchange Tool (CRIET)**

# CRIET Registering

CDG CDMA DEVELOPMENT GROUP

CDMA Roaming Information Exchange Tool

## CDMA Roaming Information Exchange Tool (C-RIET)

If you do not have a user name and password for this tool, [please click here to register.](#)

Login:

[Forgot your login?](#)

Password:

[Forgot your password?](#)

### Disclaimer and Limitation of Liability

Each CDG member acknowledges that CDG does not review the disclosures or contributions of any CDG member nor does CDG verify the status of the ownership of any of the intellectual property rights associated with any such disclosures or contributions. Accordingly, each CDG member should consider all disclosures and contributions as being made solely on an as-is basis. If any CDG member makes any use of any disclosure or contribution, then such use is at such CDG member's sole risk. Each CDG member agrees that CDG shall not be liable to any person or entity (including any CDG member) arising out of any use of any disclosure or contribution including any liability arising out of infringement of intellectual property rights.

In no event shall CDG be liable for any damages whatsoever (including, without limitation, those resulting from lost data or business interruption) arising out of the use, inability to use, or the results of use of this site, or the materials or information contained on this site.

Use this link to access the application.

<http://www.cdg.org/criet>



# Registration Screen

## CDMA Roaming Information Exchange Tool (C-RIET) Signup

Please complete and submit the form below to sign-up the CDMA Roaming Information Exchange Tool (C-RIET). You will be notified by email once you have been granted access to C-RIET.

If you already have a login and password, you may [click here to login now](#).

**Create a C-RIET ID:**

Choose Login Name: \*   
(4-10 characters max. - A-Z,a-z,0-9 only - no spaces or special characters)

Choose Password: \*   
(4-10 characters max. - A-Z,a-z,0-9 only - no spaces or special characters)

Confirm Password: \*   
(4-10 characters max. - A-Z,a-z,0-9 only - no spaces or special characters)

First Name: \*

Last Name: \*

Email: \*

Your Company: \*

---

**Password Security**

In case you lose your password, you can retrieve it by entering the required information below. Please make sure you remember the information you enter below.


Secret Question: \*

Your Answer: \*

---

**Verify Your Registration**

To prevent automated registrations, please enter the code you see in the image into the field below it.

Security Code: \*   
[Load New Code](#)



# Confirmation Screen

**CDG** CDMA DEVELOPMENT GROUP

CDMA Roaming Information Exchange Tool

## CDMA Roaming Information Exchange Tool (C-RIET) Signup

Thank you. Your sign-up request has been submitted to C-RIET.

Please note your Point of Contact (POC):

Name: **CDMA Development Group**  
Email: **crietadmin@cdg.org**

If you have any questions about C-RIET, please contact your POC for information. You will receive an email with further instructions when you have been granted access to C-RIET.

If you already have a login and password, you may [click here to login](#).

© 2007 CDMA Development Group. If you have questions or need assistance, please contact [crietadmin@cdg.org](mailto:crietadmin@cdg.org).



# New Users – Log in and go to Your Account

ices | Tools | Help

Home **Your Account** Logout

**CDG** CDMA DEVELOPMENT GROUP

CDMA Roaming Information Exchange Tool

View All Files Upload A File Your Uploads Your Users Company Profiles

### CDMA Roaming Information Exchange Tool (C-RIET)

Your roaming partner can upload the following file types and grant access to those files to members of your company. You may choose to view files by Category, Company, Country, or File Access by selecting each from the menus below.

View By Category - All View By Company - All  
View By Country - All View By File Access - All Files  
View By Recency - All Files

Viewing 1-5 of 109 Files

Name	Company	Country	Date
<b>20080208_VerizonWi_TDS124_(100209AM)_v1.xls</b> Description: 02-07-08 VZW 1XRTT Announcement Category: Technical Data Sheet (TDS) - #124 Packet Data TDS (1XRTT and EVDO) Timestamp: 2/8/2008 10:02:24 AM PST <a href="#">Request access.</a>	Verizon Wireless	United States	2/8/2008
<b>20080206_THIZ_RPOF132_(14218PM)_v1.xls</b> Description: SMS RPOF Category: Roaming Partner Qualification Form - #132 SMS RPOF Timestamp: 2/6/2008 1:42:52 PM PST <a href="#">Request access.</a>	Telecom New Zealand (TML-Telecom Mobile Limited)	New Zealand	2/6/2008
<b>20080206_SprintIlex_CoverageCovCityV_(122236PM)_v1.xls</b> Description: City List Category: Coverage - Covered Cities List (Voice)	Sprint Nextel	United States	2/6/2008



# New Users – Set your Notification Preferences

**Notification Preferences:**

Please check all categories for which you would like to receive an email notification. You will get an email notification if a file has been uploaded to any checked categories.

- Check/Un-check all
- Coverage - Covered Cities List (Data) EVDO Only
- Coverage - Covered Cities List (Packet Data)
- Coverage - Covered Cities List (SMS)
- Coverage - Covered Cities List (Voice)
- Coverage - GIS Mapping Files (Data)
- Coverage - GIS Mapping Files (Data) EVDO Only
- Coverage - GIS Mapping Files (SMS)
- Coverage - GIS Mapping Files (Voice)
- Coverage - Marketing Maps (Data)
- Coverage - Marketing Maps (Data) EVDO Only
- Coverage - Marketing Maps (SMS)
- Coverage - Marketing Maps (Voice)
- Roaming Partner Qualification Form - #120 Voice RPQF
- Roaming Partner Qualification Form - #123 Packet Data RPQF
- Roaming Partner Qualification Form - #132 SMS RPQF
- Technical Data Sheet (TDS) - #124 Packet Data TDS (1XRTT and EVDO)
- Technical Data Sheet (TDS) - #124 Packet Data TDS (1XRTT only)
- Technical Data Sheet (TDS) - #59 Billing Specs. (Billing Voice and SMS TDS)
- Technical Data Sheet (TDS) - #81 Network Voice and SMS TDS
- Technical Data Sheet (TDS) - #81 Network VOICE ONLY TDS
- Trouble Shooting Procedure
- User Guide

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# Creating Your Company Profile

View All Files   Upload A File   Your Uploads   Company Profile   Contacts   Your Users  
Reports   Document Access Permissions   CRM Menu

## Qualcomm Inc. Profile

Licensed Name	<input type="text" value="Qualcomm Incorporated"/>
Marketing name	<input type="text" value="Qualcomm Incorporated"/> <a href="#">Add Another</a>
Country	<p><b>Select Countries where Qualcomm Inc. is present:</b></p> <p><input type="checkbox"/> Check/Un-check all</p> <p><input type="checkbox"/> Afghanistan</p> <p><input type="checkbox"/> Algeria</p> <p><input type="checkbox"/> Angola</p> <p><input type="checkbox"/> Argentina</p> <p><input type="checkbox"/> Aruba</p> <p><input checked="" type="checkbox"/> Australia</p> <p><input type="checkbox"/> Azerbaijan</p> <p><input type="checkbox"/> Bahamas</p> <p><input type="checkbox"/> Bangladesh</p> <p><input type="checkbox"/> Barbados</p> <p><small>You must check the box by the name of each Country you wish to choose. You may also select ?check all? to choose all listed Countries.</small></p>
WebSite	<input type="text" value="www.qualcomm.com"/>
Trouble Resolution Website	<input type="text"/>
Trouble Group Email	<input type="text"/>
Operating Hours	<input type="text" value="various"/>
GMT	<input type="text" value="-8 GMT for main office in San Diego"/> <a href="http://www.timeanddate.com/worldclock/">http://www.timeanddate.com/worldclock/</a>
<input type="button" value="Submit Data &gt;&gt;"/>	

Enter several marketing names if needed.

# Enter your network information and roaming status

Below is the list of Network related information entered by Sprint Nextel.

<u>Service</u>	<u>Frequency</u>	<u>Technology</u>	<u>EVDO REV</u>	<u>Network Status</u>	<u>Roaming Status</u>
Location Based Services	1900	EV-DO	Rev A	Commercial Network	Not Ready for International Roaming
Packet Data	1900	1xRTT		Commercial Network	Intl Roaming Now - Taking New Roaming Partners
Packet Data	1900	EV-DO	Rev A	Commercial Network	Intl Roaming Now - Taking New Roaming Partners
SMS	1900	cdmaOne IS-95		Commercial Network	Intl Roaming Now - Taking New Roaming Partners
Voice	1900	cdmaOne IS-95		Commercial Network	Intl Roaming Now - Taking New Roaming Partners

[Back To Profile View Page.](#)

# Viewing other company profiles

Verizon Wireless Profile - Microsoft Internet Explorer

Verizon Wireless Profile

Company Type	Carrier
Licensed Name	<input type="text" value="Celco Partnership"/>
Marketing Name	<input type="text" value="Verizon Wireless"/>
Country	<b>Countries where Verizon Wireless CDMA network is present:</b> United States
WebSite	<input type="text" value="http://www.verizonwireless.com"/>
Trouble Resolution Website	<input type="text" value="https://roms.verizonwireless.com/index.htm"/>
Trouble Group Email	<input type="text"/>
Operating Hours	<input type="text"/>
GMT	GMT -5 <a href="http://www.timeanddate.com/worldclock/">http://www.timeanddate.com/worldclock/</a>

View All Files Upload A File Your Uploads **Company Profile** Contacts

## Company Profile

Carrier Name	Country	Updated
Cellular One (Bermuda Digital Communications)	Bermuda	3/6/2008
China Unicom	China	3/6/2008
CITIC 1616 Holdings Limited	China	3/12/2008
Digicel	Caribbean	3/19/2008

Below is the list of Network related information entered by Verizon Wireless .

Service	Frequency	Technology	EVDO REV	Network Status	Roam
Packet Data	800/850	1xRTT		Commercial Network	Intl Roaming New Roaming Partners
Packet Data	1900	1xRTT		Commercial Network	Intl Roaming Now - Taking New Roaming Partners
Packet Data	800/850	EV-DO	Rev A	Commercial Network	Intl Roaming Now - Taking New Roaming Partners
Packet Data	1900	EV-DO	Rev A	Commercial Network	Intl Roaming Now - Taking New Roaming Partners

## Digicel Profile

Company Type	Carrier
Licensed Name	<input type="text" value="Digicel Group"/>
Marketing Name	<input type="text"/>
Country	<b>Countries where Digicel CDMA network is present:</b> Aruba Barbados Bermuda Cayman Islands Jamaica



# Contacts

View All Files   Upload A File   Your Uploads   Company Profile   **Contacts**   Your Users  
Reports   Document Access Permissions   CRM Menu

## Contact Information

### ↳ Contact Information

My Contacts

Partner Contacts

Qualcomm Inc. Contacts

View All Files   Upload A File   Your Uploads   Company Profile   **Contacts**   Your Users  
Reports   Document Access Permissions   CRM Menu

## Qualcomm Inc. Roaming Contacts

[+ Add Contacts](#)

[Export Contacts](#)

↳ Contact (First Name Last Name)	↳ Roaming Responsibility	
Bryan Cook	Roaming Implementations	 
Daniel Salek	Preferred Roaming List Roaming Implementations Roaming Trouble Resolution Technical Data Sheet Technical Support	 
Libby Mackay	Product Management	 



# Add your own contact information

<a href="#">View All Files</a>		<a href="#">Upload A File</a>		<a href="#">Your Uploads</a>		<a href="#">Company Profile</a>		<a href="#">Contacts</a>		<a href="#">Your Users</a>	
<a href="#">Reports</a>		<a href="#">Document Access</a>		<a href="#">Permissions</a>		<a href="#">CRM Menu</a>					
<h3>Add Qualcomm Inc. Contact</h3>											
First Name *	<input type="text"/>				Last Name	<input type="text"/>					
Title	<input type="text"/>										
Roaming * Responsibility	<div style="border: 1px solid black; padding: 2px;"><ul style="list-style-type: none"><li>Carrier Relations</li><li>Marketing</li><li>Preferred Roaming List</li><li>Product Development</li></ul></div>					Service *	<div style="border: 1px solid black; padding: 2px;"><ul style="list-style-type: none"><li>Location Based Services</li><li>Packet Data</li><li>SMS</li><li>Voice</li></ul></div>				
Email	<input type="text"/>				Phone	<input type="text"/>					
Mailing Address											
Address	<input type="text"/>										
Address #2	<input type="text"/>										
City	<input type="text"/>				State/Province	<input type="text"/>					
Postal Code	<input type="text"/>				Country *	<input type="text" value="Select Country"/>					
POC Name	Libby Mackay				Email	lmackay@qualcomm.com					
<input type="button" value="Save Contact"/>											



# View and export partner contacts

View All Files   Upload A File   Your Uploads   Company Profile   Contacts   Your Users  
Reports   Document Access Permissions   CRM Menu

## Partner Contact Details

[Export Contacts](#)

Carrier Name	Country	Updated
AkTel-FONEX	Kyrgyzstan	4/5/2008
Alaska Communications Systems	United States	3/24/2008
Alaska DigiTel	United States	3/19/2008
Alegro PCS (TELECSA)	Ecuador	3/24/2008
Alliant	Canada	3/24/2008
ALLTEL	United States	3/24/2008
Altel (Dalacom)	Kazakhstan	4/5/2008
Asia Pacific Broadband Wireless	Taiwan	3/25/2008
Bahamas Telecommunications Company	Bahamas	3/24/2008
Bakrie	Indonesia	3/25/2008
Bayan Telecommunications	Philippines	4/5/2008
Bell Mobility	Canada	3/24/2008
Bluegrass Cellular	United States	3/24/2008
Carolina West Wireless	United States	3/24/2008
CaymanOne	Cayman Islands	3/26/2008

Select a company from the Company dropdown below, then select the appropriate access you would like to have that company to your files. Click on Save This Profile when you are done.

# Carrier Access Permissions

1. Select a carrier
2. Set the carrier access permissions by either service type or by categories

Select A Company: \* SK Telecom

Grant access by:

Service Types

Categories

Please select how you would like to grant access to this company:

- "Service Types" will allow you to grant access by services such as SMS, TDS, etc.
- "Categories" will allow you to grant access by specific categories.

Select Categories:

Check/Un-check all

Carrier Technical Data Sheet (TDS) - #124 Packet Data TDS

Carrier Technical Data Sheet (TDS) - #59 Billing Specs. (Billing Voice and SMS TDS)

Carrier Technical Data Sheet (TDS) - #81 Network Voice and SMS TDS

Maps - GIS Mapping Files (Data)

Maps - GIS Mapping Files (SMS)

Maps - GIS Mapping Files (Voice)

Maps - Marketing Maps (Data)

Maps - Marketing Maps (SMS)

Maps - Marketing Maps (Voice)

Marketing Partner Qualification Form - #120 Voice RPQF

Marketing Partner Qualification Form - #123 Packet Data RPQF

Marketing Partner Qualification Form - #132 SMS RPQF

[Help](#) [Guide](#)

CDG CDMA DEVELOPMENT GROUP

CDMA Roaming Information Exchange Tool

[View All Files](#) [Upload A File](#) [Your Uploads](#) [Your Users](#) [Company Profiles](#)

## Create Company Profile

Select a company from the Company dropdown below, then select the appropriate access you would like to have that company to your files. Click on Save This Profile when you are done.

Select A Company: \* SK Telecom

Grant access by:

Service Types

Categories

Please select how you would like to grant access to this company:

- "Service Types" will allow you to grant access by services such as SMS, TDS, etc.
- "Categories" will allow you to grant access by specific categories.

Select Service Types:

Check/Un-check all

Data

LBS

SMS

Voice

[Save This Profile](#)

3. Setting company access permissions here, for each partner, means you won't have to select all companies again each time you upload a file



# POC - My Account

As POC, I can choose to be notified when new companies are added to the tool?

Set preferences for email notification when new partner documents are uploaded.

**POC New Company Notification Emails:**

As a POC, you may choose to receive notification emails sent by the C-RIET Administrator to inform you of new companies added to this tool.

Check this box to receive new company notification emails.

Update POC Notification

**Notification Preferences:**

Please check all categories for which you would like to receive an email notification. You will get an email notification if a file has been uploaded to any checked categories.

- Check/Un-check all
- Coverage - Covered Cities List (Packet Data)
- Coverage - Covered Cities List (SMS)
- Coverage - Covered Cities List (Voice)
- Coverage - GIS Mapping Files (Data)
- Coverage - GIS Mapping Files (SMS)
- Coverage - GIS Mapping Files (Voice)
- Coverage - Marketing Maps (Data)
- Coverage - Marketing Maps (SMS)
- Coverage - Marketing Maps (Voice)
- Roaming Partner Qualification Form - #120 Voice RPQF
- Roaming Partner Qualification Form - #123 Packet Data RPQF
- Roaming Partner Qualification Form - #132 SMS RPQF
- Technical Data Sheet (TDS) - #124 Packet Data TDS (1XRTT and EVDO)
- Technical Data Sheet (TDS) - #124 Packet Data TDS (1XRTT only)
- Technical Data Sheet (TDS) - #59 Billing Specs. (Billing Voice and SMS TDS)
- Technical Data Sheet (TDS) - #81 Network Voice and SMS TDS
- Trouble Shooting Procedure
- User Guide

Update Notification

# Files found on CRIET

- Roaming partner qualification form
  - Voice
  - SMS
  - Packet Data
- Technical Data Sheet
  - Voice and SMS
  - Packet Data
  - Billing specifications
- Trouble reporting information
- Coverage Information
  - Marketing maps
    - Voice
    - SMS
    - Packet Data
  - GIS files
    - Voice
    - SMS
    - Packet Data
  - Covered Cities Lists
- Contact Information

# File Categories

Help Your Account Logout



## CDMA Roaming Information Exchange Tool

[View All Files](#)   [Upload A File](#)   [Your Uploads](#)   [Your Users](#)   [Company Profiles](#)

### CDMA Roaming Information Exchange Tool (C-RIET)

Your roaming partner can upload the following file types and grant access to those files to members of your company. You may choose to view files by Category, Company, Country, or File Access by selecting each from the menus below.

View By Category - All v

View By Category - All

- Coverage - All
- Covered Cities List (Data) EVDO Only
- Covered Cities List (Packet Data)
- Covered Cities List (SMS)
- Covered Cities List (Voice)
- GIS Mapping Files (Data)
- GIS Mapping Files (Data) EVDO Only
- GIS Mapping Files (SMS)
- GIS Mapping Files (Voice)
- Marketing Maps (Data)
- Marketing Maps (Data) EVDO Only
- Marketing Maps (SMS)
- Marketing Maps (Voice)
- Roaming Partner Qualification Form - All
- #120 Voice RPQF
- #123 Packet Data RPQF
- #132 SMS RPQF
- Technical Data Sheet (TDS) - All
- #124 Packet Data TDS (1XRRT and EVDO)
- #124 Packet Data TDS (1XRRT only)
- #59 Billing Specs. (Billing Voice and SMS TDS)
- #81 Network Voice and SMS TDS
- #81 Network VOICE ONLY TDS
- Trouble Shooting Procedure
- User Guide

View By Company - All v

View By File Access - All Files v

	Company	Country	Date
TDS (1XRRT and	Verizon Wireless	United States	2/8/2008
RPQF	Telecom New Zealand (TML-Telecom Mobile Limited)	New Zealand	2/6/2008
20080206_SprintIlex_CoverageCovCityV_(122236PM)_v1.xls	Sprint Nextel	United States	2/6/2008


Description: City List

Category: Coverage - Covered Cities List (Voice)



# Viewing Files

[Help](#) [Your Account](#) [Logout](#)

 **CDMA DEVELOPMENT GROUP**

**CDMA Roaming Information Exchange Tool**

[View All Files](#) [Upload A File](#) [Your Uploads](#) [Your Users](#) [Company Profiles](#)

## CDMA Roaming Information Exchange Tool (C-RIET)

Your roaming partner can upload the following file types and grant access to those files to members of your company. You may choose to view files by Category, Company, Country, or File Access by selecting each from the menus below.

View By Category - All  View By Company - All

View By Country - All  View By File Access - All Files

View By Recency - All Files

**Viewing 1-5 of 40 Files**

Name	Company	Country	Date
<b>Blank Template CDG TDS81.zip v1</b> <small>NEW</small> Description: Zip file of doc 81 including blank template. Category: Technical Data Sheet (TDS) - #81 Network Voice and SMS TDS Size: 215.79 kb Timestamp: 9/9/2007 9:33:23 PM PST <input type="button" value="Request deletion"/> <input type="button" value="Company Access"/>	QUALCOMM	United States	9/9/2007
<b>Sprint Voice and SMS Tech Data (update) 08.31.07.xls v1</b>	Sprint Nextel	United	9/4/2007



# Requesting Access to a File

<b>2007 Feb 12 Sprint WDR TDS (v1)</b> Category: Carrier Technical Data Sheet (TDS) - #124 Packet Data TDS Timestamp: 4/18/2007 5:53:34 PM PST <a href="#">Request access.</a>	Sprint Nextel	United States	4/18/2007
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CDMA DEVELOPMENT GROUP



CDMA Roaming Information Exchange Tool

[View All Files](#)   [Upload A File](#)   [Your Uploads](#)   [Your Users](#)   [Company Profiles](#)

## Request File Access

Your access to has been restricted by the file owner.

If you would like to submit a request for access to this file, fill in your reason for access and click on "Request Access."

Reason for access:

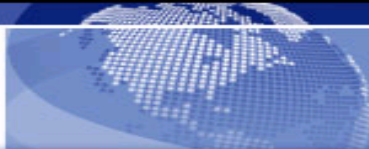
# Contact File Owner

## Pcl DATA TDS sheet (v1)

Category: Carrier Technical Data Sheet (TDS) - #124 Packet Data TDS  
Size: 49.00 kb  
Timestamp: 3/6/2007 4:42:44 AM PST

Telephone (PCL: Telephone Communication Ltd.)	Israel	3/6/2007
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Contact file owner.



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Contact File Owner

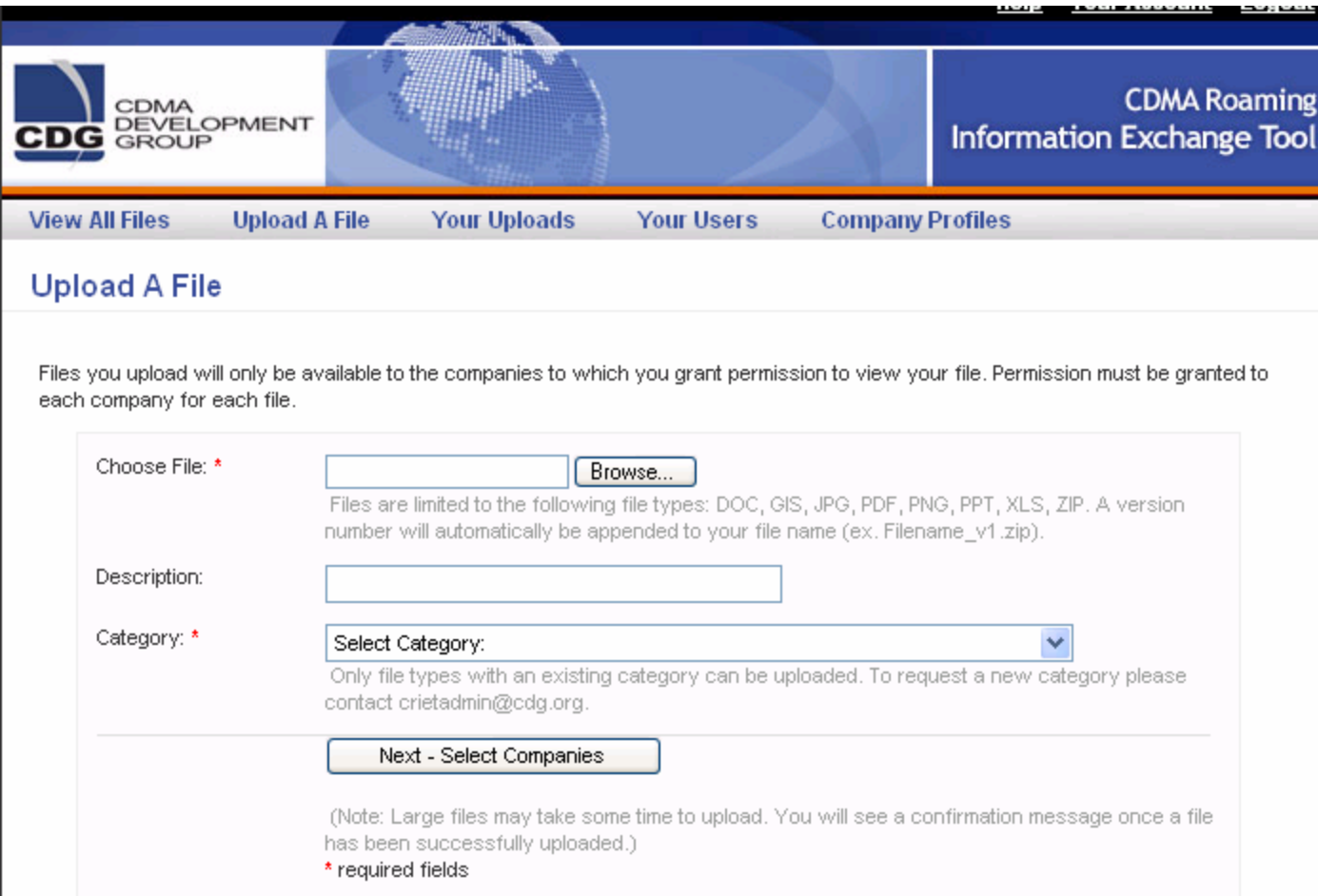
Please use the form below if you would like to contact **eyal kapone** with **Pelephone (PCL: Pelephone Communication Ltd.)**, owner of **Pcl DATA TDS sheet**.

Message: \*

Send Message

\* required fields

# Uploading a file



The screenshot shows the CDMA Development Group's Roaming Information Exchange Tool. The header includes the CDG logo and the title "CDMA Roaming Information Exchange Tool". A navigation bar contains links for "View All Files", "Upload A File", "Your Uploads", "Your Users", and "Company Profiles". The "Upload A File" page features a form with the following elements:

- Choose File:** A text input field followed by a "Browse..." button. Below it, a note states: "Files are limited to the following file types: DOC, GIS, JPG, PDF, PNG, PPT, XLS, ZIP. A version number will automatically be appended to your file name (ex. Filename\_v1.zip)." A red asterisk indicates this field is required.
- Description:** A text input field.
- Category:** A dropdown menu with "Select Category:" as the placeholder and a downward arrow. Below it, a note states: "Only file types with an existing category can be uploaded. To request a new category please contact [crietadmin@cdg.org](mailto:crietadmin@cdg.org)." A red asterisk indicates this field is required.
- Next - Select Companies:** A button to proceed to the next step.
- Footer:** A note: "(Note: Large files may take some time to upload. You will see a confirmation message once a file has been successfully uploaded.)" and a legend: "\* required fields".

# Access to Files

- Access can be granted by file category, service type or by individual file each time it is uploaded.
  - If setting by file category or service type it won't be done during the upload process but can be confirmed then.
  - If granting permission by file type you must select or deselect companies at the time the file is uploaded.
- Company access may later be added or retracted by the POC or the file owner after the file is uploaded.

### Change Display Name

Your file will be automatically renamed and displayed as **20070909\_Qualcomm\_TDS81\_(95302PM)\_v1.zip**. If you would like to give your file a different display name, please enter it below.

Display Name:

Your display name should be limited to 100 characters, in this format:  
- YearMonthDay\_Company\_Category\_(TimeAMorPM)\_VersionNumber.FileType  
- eg. 20070131\_QUALCOMM\_CTDS\_(630PM)\_v1.zip

### Select Companies

The companies checked in the company list below will automatically be granted access to view **20070909\_Qualcomm\_TDS81\_(95302PM)\_v1.zip**.

You must check the box by the name of each company you wish to grant permission to view and download this specific file. You may also select "check all" to allow all listed companies the ability to view and download this file.

**QUALCOMM** (your company) will be allowed access automatically.

Companies: \*

#### Select Carriers:

- Check/Un-check all
- AkTel-FONEX (Kyrgyzstan)
- Alaska Communications Systems (United States)
- Alaska DigiTel (United States)
- Alegro PCS (TELECSA) (Ecuador)
- Aliant (Canada)
- ALLTEL (United States)
- Altel (Dalacom) (Kazakhstan)
- Asia Pacific Broadband Wireless (Taiwan)
- Beria (Indonesia)

#### Select Non-Carriers:

- Check/Un-check all
- CDG (United States)
- Syniverse (United States)
- VeriSign (United States)

### Send Email Notification

If you would like to allow other companies to view this file, please check them. To send an email notification to these companies, click on "Send Email Notification" and a notification will be send once your file is saved.

Email Notification:  Check this box if you would like to send an email notification that a file has been uploaded to the Companies checked above.

Note: Access is pre-checked if you have created company profiles.

# Notification of new file available.

Email notification of the new file upload will only go out if this box is checked.



# Change Log

**View who has accessed my file and what companies have access to view them.**

CDMA DEVELOPMENT GROUP

CDMA Roaming Information Exchange Tool

View All Files Upload A File Your Uploads Your Users Company Profiles

### File Change Log

The following changes and updates have been made to **20070530\_QUALCOMM\_UsrGde\_11-00-01PM\_v2.pdf**.

Type	Company	Description	By	Date
Company Update	QUALCOMM	Companies Added: Wana Telecom Syniverse VeriSign	Libby Mackay	8/24/2007 11:53:06 AM
File Download	Bell Mobility	File Downloaded	Lloyd Wilson	8/9/2007 12:22:50 PM
File Download	Bahamas Telecommunications Company (BatelCo)	File Downloaded	Diane Arnett	8/3/2007 12:19:21 PM
File Download	QUALCOMM	File Downloaded	Libby Mackay	7/25/2007 3:37:31 PM
Company Update	QUALCOMM	Centennial Dominicana added through company profile	Libby Mackay	7/18/2007 12:17:03 PM
File Download	QUALCOMM	File Downloaded	Libby Mackay	6/29/2007 11:36:42 AM

[Return to previous page. C-RIET Home.](#)

**So what?** This means I can see who opened my TDS, maps, etc.

### 2007Feb2 C-RIET User Guide POC View v2

Description: The POC View user guide for C-RIET  
Category: User Guide  
Size: 267.50 kb  
Timestamp: 8/22/2007 11:10:45 AM PST

[View all versions](#) [Request deletion](#) [Company Access](#)

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1 2 3 4 5 6

#### Legend:

- Restricted files
  - Unopened
  - Files not viewed
- NEW** New files since your last login

See who  
has access  
to my  
document

© 2007 CDMA Development Group. If you have questions or ne

Coming soon – a list of  
who doesn't have access  
to my documents

QUALCOMM United 8/22/2007



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## Company Access

The following companies have access to **Blank Template CDG TDS81.zip v1**.

#### Company

AkTel-FONEX
Alaska Communications Systems
Alaska DigiTel
Alegro PCS (TELECSA)
Aliant
ALLTEL
Altel (Dalacom)
Asia Pacific Broadband Wireless
Bahamas Telecommunications Company (BatelCo)
Bakrie
Belcel (Dialog)
Bell Mobility
Blackfoot Communications
Blue Sky Wireless (Mio)
Bluegrass Cellular

# Over 80 companies are registered to use CRIET

## Users - Active Companies

Aicent	IT&E Overseas, Inc.	SK Telecom
Alegro PCS (TELECSA)	IUSACELL	Skytel
ALLTEL	KDDI corp	Smart (Speednet)
American Roamer	LG Telecom	Smart Telecom
Asia Pacific Broadband Wireless	MACH Cibernet	Sprint Nextel
Bahamas Telecommunications Company	Maritime Communications Partners AS	Starcomms Ltd.
Bayan Telecommunications	Mid-Rivers Cellular	Syniverse
Bell Mobility	MiPhone (Oceanic Digital Jamaica)	Tata Teleservices
Carolina West Wireless	Mobile 8 Telecom (Fren)	TBayTel Mobility (previously Thunderbay)
CC Communications	Movistar Peru	Telecom New Zealand
CCT Global Communications	MTA Communications	Telesystems of Ukraine (PEOPLEnet)
CDG	MTS - Manitoba Telecom Services	TELUS Mobility
Cellular One (Bermuda Digital Communications)	Multi-Links Telecommunications Limited	Togo Telecom
Centennial de Puerto Rico	Nex-Tech Wireless, LLC	US Cellular
China Unicom	Northcoast PCS	VeriSign
CITIC 1616 Holdings Limited	NTELOS	Verizon Wireless
Communications Authority of Thailand (CAT)	Pelephone	Vivo
Cricket Communications (Leap Wireless)	Qualcomm Inc.	Vodafone Libertel
Digicel	Reliance InfoComms	Wana Telecom
EOCG Wireless (MIO)	S-Telecom (Saigon)	WorldCell
Guamcell Communications	Sasktel	Yemen Telecom
Hutchison Telecom	Setar	

Actual company data shows only up to 4/15



# CDG IRT Initiatives 2008

- Alternative ways to expand CDMA roaming
  - CDMA Roaming Hub, CDMA Broker carriers
- CRIET Development :new features
- Roaming Troubleshooting tool
  - Web-based carrier-to-carrier Trouble Tickets
  - CDG can assist in identifying requirements and developing specifications



# Thank You

Ricardo Sarti  
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