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TeleCommunication Systems Adds 11 U.S. Patents Advancing Public Safety, Location-Based Services, Messaging and Secure Communications

Note: Comtech Acquired TCS on 2/23/2016

ANNAPOLIS, Md., April 29, 2015 /PRNewswire/ -- TeleCommunication Systems, Inc. (TCS) (NASDAQ: TSYS), a world leader in secure and highly reliable wireless communication technology, today announced that the U.S. Patent and Trademark Office (USPTO) issued TCS 11 U.S. patents during the first quarter of 2015. In the quarter, TCS filed for 22 U.S. patents; as of March 31, the total number of patents issued worldwide in the portfolio was 395, with more than 300 patent applications pending.

News Facts:

The 11 recently issued U.S. patents describe innovations in several key communications categories, including:

- 1 **Location:** On-the-go wireless subscribers demand near-instantaneous access to information, and location makes information relevant to their lifestyles, such as events or topics of interest within a specific distance ("area of effect"). The recently issued iAlert Enhanced Alert Manager patent (U.S. 8,942,743) describes methods to provide notifications to wireless devices regarding an event that is within a user-specified area of effect or distance, or within a user-specified area of effect to other affiliated wireless devices, such as those belonging to their friends and family. Examples include sales at local stores, activities near a friend's social media network, and nearby traffic alerts and emergencies. The patent describes methods that support wireless subscribers who may only want to receive an alert when they are within a certain area of effect to an event.
- 1 **Messaging:** For more than 15 years, TCS has provided core technology that enables text messaging. TCS technology has processed more than 4 trillion U.S. text messages to date. Besides the successful delivery of the text and its content, location information associated with the sender or the receiver may also be important, such as in emergency situations or for parents wanting to know the location of their children. The recently issued Location Based Messaging patent (U.S. 8,965,417) describes techniques and systems to intercept a text or multimedia message, identify the location of the sender or receiver, then attach that location information to the message and route it to the intended recipient.
- 1 **Public Safety:** TCS' Hosted Commercial Mobile Alert System (CMAS) solution enables wireless operators to securely connect to the Federal Emergency Management Agency (FEMA) Integrated Public Alert and Warning System (IPAWS) Gateway and deliver geographically targeted emergency alerts to mobile subscribers facing imminent threat to life or property. Key to the successful operation of such a system is redundancy in the event that one or more cell broadcast centers becomes inoperable. The recently issued Geo-Redundant and High Reliability Commercial Mobile Alert System patent (U.S. 8,954,028) describes techniques to provide geographic redundancy so that these critical alerting systems operate uninterrupted.

The remaining 8 U.S. patents issued in the period are: Emergency Text Messaging (U.S. 8,929,854); Integrated Services User Part (ISUP)/ Session Initiation Protocol (SIP) Gateway for Unlicensed Mobile Access (UMA) Emergency Services Call Flow (U.S. 8,954,029); SS7 ANSI-41 to SIP Based Call Signaling Conversion Gateway for Wireless VoIP E911 (U.S. 8,971,314); System and Method for Routing SUPL Proxy-Mode Traffic when Multiple Nodes are Deployed in a Network (U.S. 8,977,760); User Plane Location Based Service Using Message Tunneling to Support Roaming (U.S. 8,965,360); Enabling Location Determination of User Device Originating Emergency Service Call (U.S. 8,929,855); Standard Telephone Equipment (STE) Based Deployable Secure Communication System (U.S. 8,958,416); Dynamically Varied Map Labeling (U.S. 8,930,139).

TCS Chairman, President and CEO Maurice B. Tose said: "TCS is continuously innovating in the areas of secure, highly reliable communications. With these additions, we are growing our patent portfolio to support the next evolution of wireless connectivity among devices, systems and people."

About TeleCommunication Systems, Inc.

TeleCommunication Systems, Inc. (TCS), headquartered in Annapolis, Maryland, is a world leader in secure and highly reliable wireless communications. Our patented solutions, global presence, operational support and engineering talent

enable 9-1-1, commercial location-based services and deployable wireless infrastructure; cybersecurity; defense and aerospace components; and applications for mobile location-based services and messaging. Our principal customers are wireless network operators, defense and public safety government agencies, and Fortune 150 enterprises requiring high reliability and security. Learn more at www.telecomsys.com.

Except for the historical information contained herein, this news release contains forward-looking statements as defined within Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities and Exchange Act of 1934, as amended. These statements are subject to risks and uncertainties and are based upon TCS' current expectations and assumptions that if incorrect would cause actual results to differ materially from those anticipated. Risks include the possibility that no revenues will result from our monetization efforts, that issued patents will prove to be less valuable than assumed, and those detailed from time to time in the Company's SEC reports, including the report on Form 10-K for the year ended December 31, 2014.

Existing and prospective investors are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof. The Company undertakes no obligation to update or revise the information in this press release, whether as a result of new information, future events or circumstances, or otherwise.

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