

Source: TDIA

Title: Supporting Materials to 3GPP MRP Application

Agenda item: 7.1

Document for:

Decision	X
Discussion	
Information	

I□The cooperation between TDIA and 3GPP

TD-SCDMA Industry Alliance (TDIA) initiated the development of TD-SCDMA terminal conformability testing standard and TTCN code in Nov.2003 with close cooperation with 3GPP. Thanks to the promotion and coordination of TDIA, the developing work is processing smoothly. So far, TDIA has handed in 62 CRs to 3GPP and all the 62s CRs were accepted by 3GPP. When the development of testing standard documents has got to certain level, TDIA started to send experts to 3GPP headquarter to develop TTCN code since April 2004. So far here are more than 10 experts have been dispatched in 4 batches. Meanwhile, there are two figure engineers working as project assistants in china domestic coordinative project team. TDIA invests millions RMB on TTCN development every year, and more than 10 members of TDIA has joined in the project.

In the course, 3GPP provides great support on talents and material such as developing environment and technical supports. In the last two years, 3GPP has totally invested about 300 thousand Euro on the project. Up to the present, the two parties have been coordinating smoothly and worked out almost 300 test examples, and a total of 350 are expected by the end of 2005.

II□Support from Chinese Government to TD-SCDMA Industry

With the effort of Chinese government and the active coordination between companies in the field of TD-SCDMA, TD-SCDMA Industry Alliance was founded on Oct. 30th 2002. The basic functions of TDIA are to link government and enterprises, to help the communication among enterprises and to promote the healthy development of TD-SCDMA industry.

With the promotion of Chinese government, all the six China domestic national telecom operators (China Mobile, China Unicom, China Telecom, China Netcom, China Railcom and China Satellite) had participated in the TD-SCDMA test in MTNET and TD-SCDMA Industrialization Test. Through these

systematic and strict lab and field tests, the technical functions of TD-SCDMA system, especially key functions, have been proved comprehensively.

Chinese government has given strong support on the TD-SCDMA standard development. TDIA and its members are encouraged to update standard version and develop conformability code. By coordinating and promoting the establishment of TD-SCDMA industrial standard, Chinese government has created a sound environment for the further development of TD-SCDMA standard. Officials from concerned government departments have presented a series of activities hold by TDIA, such as “The Foundation Ceremony of TDIA”, “2003 TD-SCDMA International Summit”, “2005 TD-SCDMA International Summit” and “Expo COMM China 2004”. On the top of all these supports, on Oct. 23th 2002, China Ministry of Information Industry (MII) allocated 155MHz spectrum to TDD in which international TDD core frequency is included.

Chinese government has exerted effort to created beneficial environment for the development of TD-SCDMA industry. As one of important promoting methods, the support to TDIA has greatly promoted the TD-SCDMA industrialization, fully encouraged the enterprises and optimized all sectors of TD-SCDMA industry chain. The effort of TDIA has improved the R&D process of enterprises and effectively promoted the healthy and continuous development of TD-SCDMA industry.

III□Future Marketing Coordination

TDIA marketing team always keep close attention on China domestic and overseas telecommunication market development. Through direct communication with government agents and telecommunication operators, TDIA marketing team collects the first-hand information in the field of customer demand, update of telecommunication regulations and laws, development and appliance of new technology, and the status of main enterprises of Chinese mobile telecommunication market. TDIA marketing team shares the above information with all its members through working report and monthly newsletter. The regular market information sharing system benefits TDIA members on their awareness of market condition and opportunity expectation. Referring to the information, the TDIA members could adjust its research and management plan.

TDIA would like to share the updated news of Chinese mobile telecommunication market with 3GPP thus to reinforce 3GPP's knowledge of the unceasing changing communication market. TDIA would also like to send information about latest achievement of TD-SCDMA technology and its application development to 3GPP, as well as the latest developments of TDIA members, so as to ensure 3GPP has in time knowledge of TD-SCDMA technology and its market development.

IV TDIA Milestones



The foundation ceremony of TDIA

On Oct 30th 2002, the foundation ceremony and 1st council meeting of TD-SCDMA Industry Alliance was hold in the Great Hall of the People in Beijing. The first group members included Datang Telecom, SOUTEC, Holley, Huawei, Lenovo, ZTE, CEC, China PUTIAN, which all are well-known communication companies.



Signature Ceremony for TD-SCDMA Technology Cooperation

On Nov. 28th 2003, the key members of TD-SCDMA Industry Alliance, China PUTIAN, ZTE and

Datang Mobile jointly hold the signature ceremony in Beijing for TD-SCDMA technology cooperation.



New Recruit Joining Ceremony of TD-SCDMA Industry Alliance

On Dec. 26th 2003 and Apr. 17th 2005, the second and third batches of new recruit joining ceremonies of TDIA were held in Beijing ceremoniously on respectively. By then, there are 21 members in TDIA. The new joining members are T3G Technology Co.,Ltd., Chongqing Chongyou Information Technology Co.,Ltd, Hisense Company Limited, COMMIT Incorporated, Xi'an Haitian Antenna Technologies Co.,Ltd, Spreadtrum Communications(Shanghai)Co., Beijing Zhongchuang Telecom Test Co.,Ltd, Hubei Zhongyou Technology Industry&Commerce Co.,Ltd, Alcatel Shanghai Bell, Shanghai DBTEL

industry Co. Ltd., UTStarcom Inc., Inventec Appliances (Shanghai) Co., Ltd., Tongyu Communication Equipment Co.,Ltd of Zhongshan City, The total 21 members formed a full industrial line covering chipset sector, terminal sector, system equipment sector, as well as testing equipments sector. The new membership structure of TDIA also indicates the internationalization of TD-SCDMA industrial community, which has speeded up the TD-SCDMA commercialization greatly.





2004 TD-SCDMA Industry Summit and the 2004 PT/EXPO COMM China

It was the first time for TDIA to participate in the PT/EXPO COMM China in the means of TD-SCDMA delegation in 2004. A large number of new products developed by 20 MNCs and China domestic telecommunications enterprises were unveiled at the expo, varying from TD-SCDMA systems equipment, terminals, chipsets to antennas and testing instruments, showcased the latest achievements in the industrialization of TD-SCDMA.

National leaders such as Wen Jiabao, Zeng Qinghong, Huang Ju, visited the exhibition of TD-SCDMA products in PT/Expo and gave positive comments on the development of TD-SCDMA.

During the expo, the 2004 TD-SCDMA industry summit was held.



2005 TD-SCDMA Industry Summit

2005 TD-SCDMA International Summit was held between Apr. 26th to 27th 2005, TDIA served as main organizer, In the summit, a series of industrialized TD-SCDMA system equipments and terminals demoed live TV, video phone, and other 3G service. The multi-suppliers market structure has formed in every sector of TD-SCDMA industry chain.

V□Main Stream Media Report

P.4 2004年10月27日

新闻 **每日新闻**

责任编辑: 阴志华 美术编辑: 尹世全



王旭东部长通过视频, 向远在广州的电信员工问好。



王旭东对TD-SCDMA联盟秘书长杨骅说: “我们提倡产研结合, 产研结合可以推出更多的应用, 你们的优势就是研究开发, 产业化还要靠制造企业, 没有产业化的标准是空的。”



2004年中国国际通信设备技术展览会10月26日在北京举行, 信



王部长告诉卫通的有关人员, 用于普通服务, 九毛五一分钟的话费有点高, 这会影响卫通的竞争力, 规模的扩大才能把成本降下来。

周寰提出新型本

本刊讯 (记者 阴志华) 昨天, 当信息产业部王旭东部长参观大唐电信展台时, 大唐电信总裁周寰向部长介绍了由大唐电信下属的信威公司推出的新型本地网整体解决方案。这个方案最大的亮点, 就是部署该网时不用象传统的本地网建设那样挖沟埋线。周寰说, 这个新型本地网的理念, 用不着挖沟埋线, 可节省

无线接入设
沟埋线的成
的寿命已经
下, 比如,
时间长了, 但
因素, 使得

Mr. Wang Xudong, the Minister of MII, attended the 2004 CHINA PT/EXPO COMM and gave his encouragement and guidance to Mr. Yang Hua, the secretary-general of TDIA. Mr Wang mentioned “government call for combination between industrialization and research. The combination will create more TD-SCDMA appliance. Your advantages are in the field of R&D and industrialization. The industrialization should depend on manufactory; otherwise the technology standard would be meaningless without industrialization”.

TD - SCDMA 产业峰会举行 政府及运营商均表示大力支持

本报讯 (记者 齐楠) 由TD - SCDMA产业联盟、中国邮电器材集团公司共同主办的“2004年TD - SCDMA产业峰会”于10月26日在中国国际展览中心隆重开幕,来自政府有关部门的负责人、国内各大运营商、国内外通信设备制造厂商以及投资

机构、科研机构的专家学者共约400余人出席了此次大会。

会上,科技部高新司司长冯江春、国家发改委高新技术司副司长许勤、信息产业部科技司副司长董新生、信息产业部电信研究院副院长曹淑敏以及



中国移动、中国联通、中国铁通和卫通公司的有关负责人均到会并做重要发言。国家发改委高新技术司许勤副司长指出,此次TD - SCDMA联盟集体亮相中国际通信制,是实力与信心的展示,今天TD - SCDMA已经成为世界移动市场中一支不可忽视的力量,随着TD - SCDMA产业化进程的加快,国家有关部门还将继续加大对TD - SCDMA标准的支持力度,TD - SCDMA产业联盟相关企业也要继续完善国际标准,加速相关商用产品的开发,加强企业间联合协作,并妥善解决好知识产权问题。随着TD - SCDMA产业标准的完善和产品的成熟,TD - SCDMA必将扎根中国,走向世界。

信息产业部电信研究院副院长曹淑敏总结了TD - SCDMA前一阶段进行现场试验的情况,并展望了TD - SCDMA的产业化和商用前景。她说,经过前一阶段在北京和上海两地的现场测试,专家组对TD - SCDMA的无线子系统进行了全面测试,对其终端和网络性能也进行了部分测试。测试结果表明,TD - SCDMA无线子系统已基本具备3G基本业务,可实现各类切换,定位功能等基本功能也已基本具备,但在稳定性方面需要进一步加强。曹淑敏副院长进一步指出,目前,除中国外,全球已发放的有效3G牌照共有120张,其中101张有TDD频段。只要设备和系统成熟,很多国家和运营商都会采用这一技术。因此TD - SCDMA具有着非常广阔的市场前景。

来自中国移动、中国联通、中国铁通和卫通公司的运营商代表也纷纷表示,TD - SCDMA目前所取得的成就令人振奋,他们将一如既往地支持TD - SCDMA标准的发展。一些运营商还对TD - SCDMA联盟下一步的工作提出了宝贵的意见和建议。

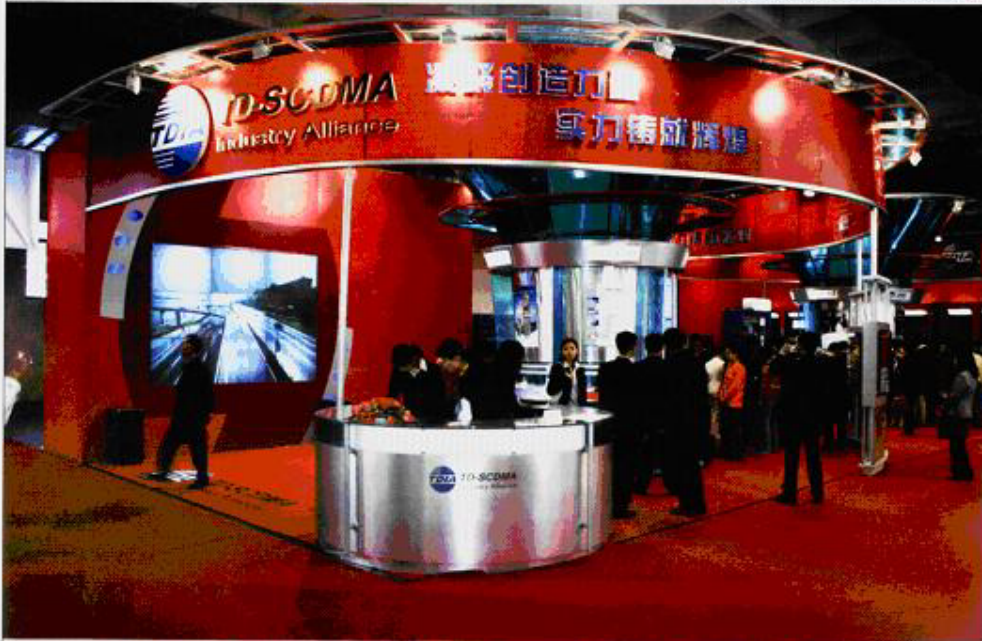
2004年10月27日

P.15

每日新闻

SPECIAL REPORT

责任编辑：鲁义轩 美术编辑：赵 瑞



“亲友团”为TD-SCDMA助威

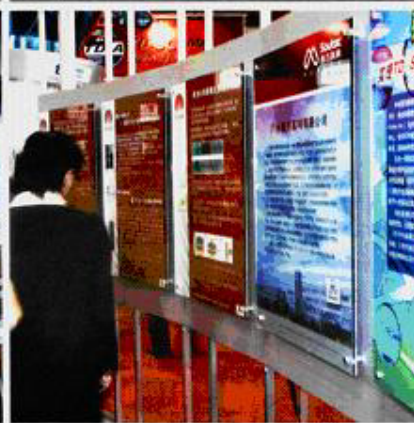
在这次展会最具人气的一号馆，第一次有了TD-SCDMA联盟的集体亮相。作为联盟的各位成员，此前的TD-SCDMA战略以及相关的承载设备、系统方案都是各自单独展示，而此次作为TD-SCDMA标准的热情亲友团，集中展示了围绕TD-SCDMA的最新技术、终端开发以及应用解决方案，再一次表明了整个产业链对TD-SCDMA的全力支持。

经过两年的时间，TD-SCDMA产业化的成就已经有目共睹。今年8月18日，天碁科技宣布推出第一个TD-SCDMA/GSM/GPRS双模手机芯片，8月22日，大唐与上海展讯合作研发出了首款基于TD-SCDMA的核心芯片，商用之路越走越宽。

联盟成员的同心同德，让TD-SCDMA摆脱低谷困境，队伍不断壮大。近期一些外资新成员的加入，将使TD-SCDMA联盟的队伍继续扩大，真正形成国际化、开放式的联盟模式。



TD-SCDMA的支持方案之一：基站



观众在展台前驻足浏览



信息产业部科技代副司长余新全参观展位

<Communications World> Special Report for PT/EXPO COMM CHINA 2004 Vol.2 & special report of TDIA booth



<Communications World> Special Report for PT/EXPO COMM CHINA 2004 Vol.3

China Prime Minister, Mr Wen Jiabao, visit TDIA booth and pointed out that "We should combine our strength together to promote the industry in further. The core technology is the base of continuous development.

14 责任编辑 刘春晖 电话:64962979 E-mail:luchunhui@ccit.com.cn 聚焦 3G

TD-SCDMA—— 凝聚创造力量 实力铸就辉煌

作为世界规模最大、水平最高的信息通信专业展览会，昨天开幕的中国国际通信展给人们带来了许多惊喜。其中，TD-SCDMA 产业链的首次集体亮相的机会更是不少。在凝聚创造力量、实力铸就辉煌的主题之下，TD-SCDMA 产业链展示了近年来 TD-SCDMA 产业化的最新成果，使几乎每个参观这里的观众都眼前一亮。

TD-SCDMA 产业联盟的近 20 家成员，包括大唐移动、中国信元、中兴通讯、华为、TDG、爱立信、展讯、华立、意法半导体、海信、重邮信科、联想、南方高科、中电龙讯、夏新、波导、美华达、西安海大、中山电子等国内外通信企业中展示了 TD-SCDMA 的全线产品并展示了相关业务。本届展会上的 TD-SCDMA 展示亮点有以下特点：第一，产品全。展示产品涵盖了 TD-SCDMA 系统的所有组成部分，从基站、基站的制式到不同制式终端、芯片到测试软件等一应俱全。第二，产品多。改变了以往只有大唐和西门子合作提供展示设备的局面，每一种产品都有两家以上的厂商推出。第三，芯片商令人关注。展讯、TDG、展明等芯片厂商展示了他们最新开发的 TD-SCDMA 芯片。对于人们关注的 TD-SCDMA 手机，在这里可看到 8 个厂家的十多款产品，其中包括大唐移动、三星、夏新、重邮信科等。这些手机造型精美，功能也有很大的提高。有多款产品是近期最新开发的 TD-SCDMA 手机芯片生产的。据 TD-SCDMA 产业联盟秘书长杨海介绍，到今年 12 月，这些最新手机就可以投入信息产业的网络使用。实际上，TD-SCDMA 产业联盟的集体亮相，并非是本次 TD-SCDMA 展示的全部。TD-SCDMA 已经成为许多中外领先 3G 企业解决方案的重要组成部分。许多公司都在自己的展台上展示了 TD-SCDMA 的解决方案。其中，大唐移动的展示最为全面，不仅包括 TD-SCDMA 的全套产品，还包括测试手机等相关产品。中兴通讯也展示了他们的 TD-SCDMA 解决方案，并与基于展明芯片的手机联合进行了演示。作为 TD-SCDMA 技术的坚定支持者和推动者，西门子和华为的合作展示也十分抢眼。中国信元与北电网络也展示了自己的 TD-SCDMA 解决方案。这与去年只有三家企业展示 TD-SCDMA 解决方案的情况，形成了鲜明的对比。

TD-SCDMA 产业化的迅速推进，给人们以巨大的鼓舞。许多专家学者纷纷指出，TD-SCDMA 不仅在我国有广阔的市场，在世界也有广阔的市场发展前景。电信研究院副院长指出，世界上有许多国家都有 3G TD-SCDMA，任何一个国家都不会以牺牲资源为代价。如果有好的技术，任何一个国家都会使用。此外，许多专家认为，TD-SCDMA 的发展不仅对我国科技发展意义重大，对世界移动通信技术的发展也有深远的影响。信息产业部科技司司长认为，TD-SCDMA 技术的发展，在一定程度上改变了世界 3G 技术研究的格局。

总之，从本届展览会，TD-SCDMA 的表现可圈可点，堪称本届展会的最大亮点。就 3G 技术而言，我国在 TD-SCDMA 领域位居世界前列，并且接近最完整的 TD-SCDMA 产业链是在中国以中国企业为核心建立起来的，标志着我国通信技术水平达到了一个新的高度。正如有知，有关领导、专家以及社会各界都对 TD-SCDMA 产业和市场的快速发展寄予了厚望。信息产业部一位领导在参观展览后认为，在诸多 3G 技术中，TD-SCDMA 的变化是最大的，TD-SCDMA 的产业化已经进入一个发展的阶段。

(刘春晖)

<People's Telecommunications> CN11-0116 Oct. 27th 2004 Vol.3923

植根于中国沃土 昂首走向世界舞台

TD-SCDMA 产业化迅速推进

本报讯(记者 刘春晖)由 TD-SCDMA 产业联盟和中国邮电器材集团公司主办，以“凝聚创造力量，实力铸就辉煌”为主题的 TD-SCDMA 产业峰会昨天在北京国际展览中心举行。中国工程院副院长郑贺铨以及国家发改委、信息产业部、科技部等有关部门的领导参加了此次峰会。与会领导和专家对 TD-SCDMA 所取得的产业化进展给予了高度评价，对其市场前景普遍看好。

郑贺铨在致开幕词时表示，我国通信业的快速发展为 TD-SCDMA 提供了前所未有的发展空间，几年来的产业化进程，也使 TD-SCDMA 表现出良好的后发优势。国家科技部高新司司长冯迎春、国家发展改革委高技术司副司长许勤、信息产业部科技司副司长张新生以及运营企业老总们在讲话中都认为，目前 TD-SCDMA 的技术已经成为 3G 的亮点。无论是电信运营商还是设备制造商都在高度关注 TD-SCDMA 的发展。国内外各大研究机构都在对该项技术的标准进行研究与开发。在短短几年时间里，TD-SCDMA 的技术研发取得了长足发展，TD-SCDMA 的技术开发和产业化工作已进入一个新的历史阶段。TD-SCDMA 正植根于中国这片沃土，昂首走向世界通信舞台。

据信息产业部电信研究院曹敏敏副院长介绍，目前 TD-SCDMA 从系统到终端基本功能已经具备，从测试来看，开发进程明显加快。有关部门领导表示将继续大力支持 TD-SCDMA 的发展。张新生表示，做好第三代移动通信的实验，继续推动 TD-SCDMA 的发展、研究及产业化是信息产业部科技司 2004 年工作重点之一。

与会领导和专家指出，在看到 TD-SCDMA 发展成就的同时，也应当看到，TD-SCDMA 的发展还将面临严峻的市场竞争和挑战。今后的首要任务是根据前一段的实验结果，对 TD-SCDMA 的系列标准进行修订和完善，进一步推动和指导 TD-SCDMA 的产业化，同时加紧完善 TD-SCDMA 系统和终端设备的性能，加快 TD-SCDMA 的产业化步伐，确保明年可以提供设备，并获得市场的认可。此外，还要加强企业间的联合协作，通过战略合作，推动产业链的完善，形成多家厂商推动的产业环境，并在 TD-SCDMA 方面扩大国际合作。

**记者纵览
专家评点
企业展示**

<People's Telecommunications> CN11-0116 Oct. 27th 2004 Vol.3923