



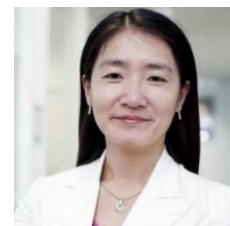
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SESEC III
China Standardization
Newsletter for IT/ICT
from
October to December 2016



Introduction of SESEC Project

The Seconded European Standardization Expert in China (SESEC) is a visibility project co-financed by the European Commission (EC), the European Free Trade Association (EFTA) secretariat and the three European Standardization Organizations (CEN, CENELEC and ETSI).



Since 2006, there has been two SESEC projects in China, SESEC I (2006-2009) and SESEC II (2009-2012). In Dec 2014, SESEC III was officially launched in Beijing, China. Dr. Betty XU was nominated as the SESEC expert and will spend the next 36 months on promoting EU-China standardization information exchange and EU-China standardization cooperation.

The SESEC project supports the strategic objectives of the European Union, EFTA and the European Standardization Organizations (ESOs). The purpose of SESEC project is to

- Promote European and international standards in China;
- Improve contacts with different levels of the Chinese administration, industry and standardization bodies;
- Improve the visibility and understanding of the European Standardization System (ESS) in China;
- Gather regulatory and standardization intelligence.

The following areas have been identified as sectoral project priorities by the SESEC project partners: Internet of Things (IoT) & Machine-to-Machine (M2M) communication, communication networks & services, cybersecurity & digital identity, Smart Cities (including transport, power grids & metering), electrical & electronic products, general product safety, medical devices, cosmetics, energy management & environmental protection (including eco-design & labelling, as well as environmental performance of buildings).

SESEC III China Standardization and Technical Regulation Bimonthly Newsletter

SESEC III China Standardization and Technical Regulation Bimonthly Newsletter is the gathering of China regulatory and standardization intelligence. Most information of the Monthly Newsletter were summarized from China news media or websites. Some of them were the first-hand information from TC meetings, forums/workshops, or meetings/dialogues with China government authorities in certain areas. It is brief news in fields related to SESEC horizontal/vertical priorities.

In this Bimonthly Newsletter

In this Bimonthly Newsletter, some news articles were abstracted from Chinese government organizations. Some detailed translations can be downloaded from SESEC website.

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Abbreviations

AQSIQ	General Administration of quality supervision, inspection and quarantine of PRC	国家质量监督检验检疫总局
CAS	China Association	中国标准化协会
CCC	China Compulsory Certification	中国强制认证
CCSA	China Communication Standardization Association	中国通信标准化协会
CEC	China Electricity Council	中国电力企业联合会
CEEIA	China Electrical Equipment Industrial Association	中国电器工业协会
CELC	China Energy Labelling Centre	中国能效标识中心
CESI	China Electronic Standardization Institute	中国电子标准化研究所
CFDA	China Food and Drug Administration	中国食品药品监督管理局
CMDSA	Centre for Medical Device Standardization Administration	医疗器械标准管理中心
CNCA	Certification and Accreditation Administration of China	中国国家认证认可监督管理委员会
CNIS	China National Institute of Standardization	中国国家标准化研究院
CNREC	China National Renewable Energy Centre	中国国家可再生能源中心
EPPEI	Electric Power Planning and Engineering Institute	电力规划设计总院
IEC	International Electrotechnical Commission	国际电工委员会
ITEI	Instrumentation Technology and Economy Institute	机械工业仪器仪表综合技术与经济研究所
MIIT	Ministry of Industry and Information Technology of People’s Republic of China	中国工业和信息化部
MoH	Ministry of Health	卫生部
MPS	Ministry of Public Security	公安部
MoHURD	Ministry of Housing and Urban-Rural Development	住房与建设部
MOR	Ministry of Railway	中国铁道部
MOT	Ministry of Transport	中国交通运输部
MOST	Ministry of Science and Technology	中国科学技术部
NDRC	National development and reform commission People’s Republic of China	中国国家发改委
NIFDC	National Institute of Food and Drug Control	中国食品药品检定研究院
SAC	Standardization Administration of China	国家标准化管理委员会
SCLAO	State Council Legislative Affairs Office	国务院法制办公室
SGCC	State Grid Corporation of China	国家电网
SIPO	State Intellectual Property Office	国家知识产权局
TC	Technical Committee for Standard Development	标准化技术委员会
OSCCA	State Cryptography Administration Office of Security Commercial Code Administration (OSCCA),	国家商用密码管理办公室

Contents

1. Cyber-security Law published + Most concerning issues

After a quick second and third round of reading, the Cybersecurity Law has been passed by the National People's Congress on 11 November 2016, and will come into force on 1 June 2017. The enactment of this law signals a further tightening regulatory environment for ICT sector and would affect a wide range of other industries due to the introduction of the "Critical Information Infrastructure (CII)" protection system. Operators of CII would be subject to a set of regulatory requirements that are currently under development. Other most concerned issues of foreign businesses in China regarding this law include: vague and unclear key terms, such as "network operator" and "secure and trustworthy", controversial requirements for data localization, possible requirements for extra certification and source code disclosure etc.

Annex 1 of this newsletter is an unofficial full translation of the Cyber-security Law.

2. National Cyberspace Security Strategy released

On 27 December 2016, Office of the Central Leading Group for Cyberspace Affairs(OCLGCA) released the "National Cyberspace Security Strategy" (hereinafter refer to "the Strategy").

The Strategy points out 9 tasks in development of the Cyberspace security, i.e. to protect key information infrastructure, to reinforce construction of network culture, to fight cyberterrorist and crime, to improve network management system, to solidify foundation of cybersecurity, to enhance capability of protecting cyberspace, and to strengthen international cooperation in cyberspace.

Moreover, the strategy also stresses that national key information infrastructure shall be evaluated before come into use, therefore, it is essential to build up and implement a cybersecurity review system to conduct security review for key IT products and services.

Annex 2 of this newsletter is an unofficial full translation of the Cyber-security Law.

3. CCSA annual general meeting + new CCSA bylaw

On 28 December 2016, CCSA convened its 14th plenary session and election at expiration of office terms.

Academician Wu Hequan, board chairman of CCSA, hosted the session. Mr. Zhang Feng, chief engineer of MIIT participated in the session and made his request for the development of CCSA. Mr. Yang Zemin, elected as deputy board chairman and secretary-general of CCSA in the session, present a work report and a financial report about the last office term. Ms. Dai Xiaohui, director-general of the Industry II Department of SAC, was elected as deputy board chairman as well, and hosted a rewarding ceremony for the "2016 CCSA Science and Technology Award". More importantly, CCSA bylaw was revised in the session as well, which will first entitle wholly-owned foreign enterprises to be full members of CCSA, and participate in its standardization work in the future.

Please refer to Annex 3 for the unofficial full translation of the CCSA 2016 work report.

4. China Radio Regulation (revised) comes into effect

The Radio Regulation (revised) approved by the state council on 1 September 2016 has come into effect on 1 December this year.

The regulation was revised on many aspects, such as efficient usage of frequency, radio station management, radio transmitting device management, electromagnetic wave order maintenance and management system, etc.

Should you need an English translation of the regulation, please contact SESEC team.

5. CAICT and US Information Technology Office sign cooperation memorandum

On 3 November 2016, CAICT and US Information Technology Office signed cooperation memorandum in Beijing. In the conference the two parties discussed on several common focuses and new topics, including globalization, artificial intelligence, block chain, supply chain, and autonomous vehicle, etc.

6. “Development Program for Convergence of Informatization and Industrialization 2016-2020” is released

The “Development Program for Convergence of Informatization and Industrialization 2016-2020” (hereinafter refer to “The Program”) was released by MIIT on 13 November 2016.

7 tasks are deployed in the program: build up a new network-based system for manufacturing industry to support startup and innovation; promote new network-based manufacturing mode; cultivate a new platform-based service mode; create a new ecology for cross-fields convergence; popularize standards of management system of the convergence; develop smart equipment and products; and improve infrastructure system.

In addition, the program also points out the working focuses, safeguard measures, and approaches for the future development.

Should you need an English translation of the regulation, please contact SESEC team.

7. MIIT Radio Administration Bureau organizes Radio Management Program Workshops

MIIT Radio Administration Bureau organized the National Radio Management “13th Five-year” Program workshop two times in a row on 13 October and 15 November 2016.

The national radio management “13th Five-year” Program (hereinafter The Program) points out that radio administration institutes shall optimize allocation of frequency resource, strengthen management of radio station, maintain radio wave order, legitimately plan and utilize satellite frequency and orbit resources, and serve the development of society and economy.

Furthermore, the program requires local radio administration institutes to draw up practical plans by stages, promote implementation of the plans or tasks, and carry out self-assessment of the results.

8. MIIT standardization quarterly meeting gives guidance for the work in 2017

On 18 November 2016, MIIT Science and Technology Department organized the fourth quarter industrial standardization regular meeting (hereinafter The Meeting) in Beijing.

The meeting gave guidance for standardization in 2017, i.e. encourage innovation in thoughts and methods, emphasize on overall plan and coordination, practically implement the reform measures, scheme construction plan for the “13th Five-year” technical standard system, promote

standardization in essential fields, enhance the level of internationalization, and carry out standardization and quality improvement programs.

9. China-German Smart Manufacturing First Deputy Ministerial Meeting in Berlin

The China-German Smart Manufacturing First Deputy Ministerial Meeting, including private session, new energy vehicle thematic session, China-German smart manufacturing cooperation forum, China-German smart manufacturing project cooperation seminar, standardization seminar and R&D cooperation seminar was held in Berlin, on 29 November 2016.

Over 300 representatives from governments, enterprises, colleges, R&D institutes, and associations on both sides attended the meeting, and agreed to cooperate in various aspects, such as common standards and reference structures, key fields, and the R&D projects supported by both sides.

10. China Telecom builds Network Reorganization Open Laboratory and 5G United Open Laboratory

China Telecom announced establishment of the CTNet2025 network reorganization open laboratory and 5G united open laboratory (hereinafter the labs) in Beijing Tomorrow Science City on 21 October 2016.

The labs will focus on advanced technologies of network reorganization and 5G, such as SDN, NFV, and Cloud computing, etc. and will construct capabilities of developing new products and platforms, evaluating new-tech network devices, simulating and displaying operation of new-tech services, and award certification for such new techs and services to finally boost network reorganization and 5G basic communication capability.

11. Chinese proposals are approved in WTSA16

The 2016 World Telecommunication Standardization Assembly 6th plenary session ended in Tunis on 3 November local time.

China delegation played an important role in the session on promoting standard researching on 5G, IOT, Smart city, Cyber-security, and private protection, etc., meanwhile, China delegation also dedicated to support accelerating standardization of open source project assessment, and advance implementation of the “Smart Africa Declaration”.

The Chinese proposal, entitled “to promote researching on IMT-2020 (5G) standardization”, was approved to be a resolution, which requires R&D organizations of ITU-T to actively carry out researches on 5G-related technology standardization, and appeals member states to actively participate 5G researching and standardization activities to provide the global with practical 5G standard solutions. Moreover, five revised resolutions led by China, including software defined network(SDN), conformity and interoperation test, reinforcement of spam management, ITU-T rules of procedure, and rules for appointing president and vice-president were approved as well.

12. “Technical specifications for 5G researching trial (phase 2)” is released

On 20 November 2016, IMT-2020 (5G) Promotion Group held press conference for the “technical specifications for 5G researching trial (phase 2)” in Beijing.

The 5G researching trial was initiated on Jan, 2016, and implemented through three phases: core technology test, technical solution verification, system verification, whereas the first phase has been completed by now.

The second phase of China 5G researching trial will be based on a unified test platform, unified frequency, unified equipment and test specifications, and the technology will be verified under different application scenarios of 5G mobile Internet and IOT.

The technical regulations released on the conference will lay a foundation for development of 5G prototype, system technical solution verification and 5G industrial chain.

13. CCSA/TC3 27th plenary session promotes standardization of NFV and unified IMS

On 11 October 2016, CCSA/TC3 (network and switching technical committee) held the 27th plenary session in Beijing, and its working groups simultaneously held their meetings as well.

The session passed 2 ministry-level standard proposals, i.e. “test method for SMS exchange between unified IMS (phase 2) and CDMA”, and “technical requirement for function virtualization template parameter of core network”, and 3 researching program proposals, i.e. “researching on multimedia information services interaction based on HTTP protocol”, “researching on immediate message service based on MQTT protocol”, and “researching on one account multi terminals technology solution based on unified IMS (phase 2).”

In addition, a ministry-level draft standard for approval, i.e. “technical requirement for service based on IMS (phase 2)” was reviewed and passed in the session, and 3 researching programs, i.e. “researching on requirement for performance accelerating technology by virtualized IMS network element”, “researching on SDN-based smart telecommunication network service orchestrator”, and “researching on public account service based on rich communication (phase 2)” were agreed to be completed.

14. MIIT dialogue with European commission

On 19 October 2016, Mr. Tu Senlin, head of MIIT International Cooperation Department met Ms. L. Corugedo Steneberg, director of Policy Strategy & Outreach Directorate of European Commission DG Connect in Brussels, and both sides exchanged views on cooperation on 5G and Internet of Vehicle (IOV).

Mr. Tu said European Union and China has not reached agreement on IOV communication standard or unified frequency allocation, and China hope the dialogue between the two parties should be furthered and the agreement on IOV under frame of the “Joint Declaration on Strategic Cooperation in 5G between EU and China” should be reached as soon as possible.

15. SAC/TC28/SC17 Card and Identification Sub Technical Committee plenary session assigns tasks for 2017

On 18 November 2016, SAC/TC28/SC17 (national information standardization technical committee/card and identification sub technical committee) held its 2016 plenary session in Beijing. The sub technical committee secretariat reported the progress achieved in 2016 and introduced the status quo on released national standards, the achievement on the ongoing standard projects, and the development of ISO/IEC JTC1/SC17 standardization.

Work plan for next year was discussed in the session as well. It's emphasized to strengthen cooperation with other sub technical committees, especially the biometric identification sub technical committee and the information security sub technical committee; to accelerate standardization in card identification field; and to actively participate international standardization activities organized by ISO/IEC JTC1/SC17.

16. SAC/TC28 Sensor Network Working Group propagates standards and plans for 2017

On 17 November 2016, SAC/TC28 (national information standardization technical committee) sensor network standard working group convened 16th plenary session in Beijing.

First, the working group made a summary for the past year, and secretariat gave a speech of “requirement analysis on industrial wireless network standardization”. Second, the working group introduced and interpreted 5 released national standards to participants. Finally, the working group defined tasks for 2017, including promoting 7 national draft standards to be approved, 9 national draft standards to be drafted, 1 ISO/IEC standard to be released, 1 new international standard proposal to be submitted.

17. SAC/TC28 Real-time Positioning Working Group plenary session in Beijing

On 8 November 2016, SAC/TC28 (national information standardization technical committee) real time positioning system working group held its 2016 plenary session in Beijing.

In the session, Luo Haiyong, senior engineer of Computer Institute of Chinese Academy of Sciences, introduced progress in standardization of visible light positioning technology and multi-mode positioning technology, and Wang Honggang, senior engineer of Zhongxing Changtian Information Technology Ltd., introduced application of real time positioning technology and development of the industry.

In addition, the working group discussed schedule for the next year, i.e. to initiate new real time positioning standard programs on geomagnetism, RFID, image identification, visible light and wireless network technologies.

18. CCSA/TC10 convenes 15th plenary session and the 2016 China IOV Conference

From 23 to 25 November 2016, CCSA/TC10 (ubiquitous network technical committee) convened its 15th plenary session and 2016 China IOV conference.

CCSA/TC10/WG1 (overall working group) reviewed and passed 2 ministry-level draft standards for approval, i.e. “*data open and share overall structure of smart city*” and “*big data oriented IOT requirement and capability*”, 1 association-level draft standard for approval, i.e. “*technical requirement for IOT heterogeneous labelling service*”, and 1 new ministry-level standard proposal, i.e. “*specification for M2M terminal access based on M2M service platform part 1: overall requirement*”.

CCSA/TC10/WG2 (application working group) discussed and passed a new ministry-level standard proposal: “*requirement for civil UAV communication application scenario and service*”.

CCSA/TC10/WG3 (network working group) discussed and passed a researching proposal: “*researching on LoRaWAN network capability strengthening technology*”

CCSA/TC10/WG4 (sensing/extending working group) reviewed and passed 1 national draft standard for approval, i.e. “*test method for vehicle gateway based on public telecommunication network*”, and discussed and passed ministry-level standard proposal of “*overall technical requirement for management on IOT terminal accessed to public telecommunication network*”.

19. “Guide for construction of smart home comprehensive standardization system” is released

On 25 November 2016, SAC and MIIT jointly released the “*guide for construction of smart home comprehensive standardization system*”, targeting to promote upgrading of the relevant industries through leading and regulating development of smart home industry and application of service mode by standard.

It's pointed out in the guide that standardization shall be carried out according to development of the industry during the "13th Five-year" period and emphasis shall be laid on smart home service application.

Practically, the following standards shall be prioritized: First, basic standards, especially those of reference model and classification method. Second, standards of interconnection, including those between devices, between device and cloud, and between clouds. Third, standards related to security, including private information security, data security and system security. Four, standards of service, including service access, service interface, service integration, software service, cloud platform service and assessment system of service security in some key fields, such as health management, the edged care in home, etc.

20. CCSA/TC5 holds 41th plenary session and narrowband IOT technology seminar

On 29 November 2016, CCSA/TC5 (wireless communication technical committee) held their 41th plenary session, along with narrowband IOT technology(NB-IOT) seminar in Yingtan city.

The progress each working group made in the session can be seen in [Annex 4](#).

In the seminar, representatives from demand side introduced application of IOT technology, such as smart water meter, smart gas meter, etc. while, experts from supply side, such as CAICT, China Telecom, China Mobil, etc. introduced the development of NB-IOT and eMTC standardization, and NB-IOT service application, network construction, and industrial development, and so on.

21. Standards of cloud computing classified protection are about to be released

"General requirement for cloud computing security classified protection"

"Technical requirement for security design of cloud computing information security classified protection"

"Test requirement for cloud computing information classified protection"

22. "Notice on regulating market behavior of cloud service" finishes comments collection

The "Notice on regulating market behaviour of cloud service", drafted by MIIT, has finished comments collection.

The notice makes rules on cloud service market behaviour, e.g.

Oversea investors shall apply for setting up foreign investment telecommunication enterprise and relevant telecommunication service license before invest domestic cloud service according to the "administrative regulation of foreign investment telecommunication enterprise";

No special line, VPN, and other channels, but the international interface approved by MIIT are permitted to be used by domestic cloud platforms when connecting with overseas;

Service facilities and data shall be placed inside the border when services are supplied to domestic users;

Operating and maintaining cross-border facilities shall comply with relevant regulations;

Third party organizations are encouraged to carry out assessment and certification activities on cloud service capability, service quality, credibility, information security, etc.

23. “Guide for Industrial Control System Information Security Protection” is released

On October 2016, MIIT published “*guide for information security protection of industrial control system*” (hereinafter “the guide”).

The guide requires industrial enterprises to establish a protection system to meet the requirement of 11 aspects: security software management, configuration and patch management, border security protection, physical and environment security, identification, remote access security, security monitoring and emergency plan, property security, data security, supply chain management and responsibility system.

Furthermore, on implementation, the guide demands local authorities shall be responsible for monitoring and management of local industrial control system security protections, while industrial enterprises shall carry out security protection in strict accordance with the guide.

24. MIIT will build industrial cloud computing and big data public service platform

On 26 October 2016, MIIT released “*notice on publishing guide for 2016 industry transformation and upgrading (made in China 2025) key projects*”.

The guide points out that there will be 18 key fields in “made in China 2025” key projects, and industrial cloud computing and big data public service platforms will be vigorously supported by MIIT.

25. Big Data Industry Development Plan (2016-2020) will be released

On 25 November 2016, big data and information security entrepreneur summit was held in Beijing. Director Xie Shaofeng from MIIT Information and Software Service Industry Department pointed out that the big data industry development plan (2016-2020) will be released recently.

26. CCSA/TC11 promotes standardization of the “mobile internet plus”

CCSA/TC11 (Mobile Internet Application and Terminal Technology Committee) WG1 (overall working group), WG2 (business and application working group), and WG3 (terminal working group) held meetings separately on 23 November 2016. Meanwhile, four sub-working groups, i.e. the mobile internet plus vehicle sub-working group, the mobile internet plus finance sub-working group, the mobile internet plus health sub-working group, and the new mobile internet plus smart home sub-working group held meetings as well.

WG2 reviewed and passed 3 ministry-level draft standards for approval, i.e. “*test method for mobile application developer community platform*”, “*technical requirement for mobile terminal management (phase 3)*”, and “*technical requirement for SMTP-based email user change discovery*”.

WG3 reviewed and passed 2 ministry-level draft standards for approval, i.e. “*general technical requirement and test method for digital mobile communication terminal*” and “*technical requirement and test method for communication instruction (AT command) between terminal device and terminal adapter*”.

Mobile internet plus health sub-working group passed a ministry-level draft standard for approval of “*data exchange protocol between smart terminal and service platform*”.

Mobile internet plus smart home sub-working group was set up and held its first meeting, discussing its first association-level draft standard proposal “*mobile internet plus smart home system (part 1) general requirement*”.

27. SAC/TC28 Power Line Communication Standard Working Group holds 9th plenary session

SAC/TC28 (national information technology standardization committee) power line communication standard working group held its 9th plenary session in Beijing on 23 November 2016.

First, secretariat of the committee presented its annual work report, then working group members discussed two drafted standards, i.e. “*low voltage power line carrier communication part1: specification for physical layer*” and “*low voltage power line carrier communication part2: specification for data link layer*”. In the end, the working group discussed the coming composition of the “*Power Line Communication Standardization White Paper*”.

28. SAC/TC28 Wireless Personal Area Network Standard Working Group holds 41th meeting

On 24 November 2016, SAC/TC28 (national information technology standardization committee) wireless personal area network standard working group held its 41th meeting in Beijing.

The meeting discussed 4 ongoing national draft standards:

“*Information technology---long distance communication and information exchange between systems---special requirement for LAN and MAN---specification for visible light communication media access control and physical layer*” (national standard plan number 20142105-T-469)

“*Information technology---long distance communication and information exchange between systems---technical specification for indoor positioning technology based on visible light communication*” (national standard plan number 20160592-T-469)

“*Information technology---long distance communication and information exchange between systems---specification for high speed visible light communication media access control and physical layer*” (national standard plan number 20161701-T-469)

“*Information technology---long distance communication and information exchange between systems---low speed narrowband visible light communication media access control and physical layer*” (national standard plan number 20161704-T-469)

29. SAC/TC28 Biometric Identification Sub Technical Committee holds 2016 plenary session

On 2 November 2016, SAC/TC28 (national information technology standardization committee) biometric identification sub technical committee held the 2016 plenary session in Beijing.

The sub technical committee secretariat reported the progress of standardization in 2016. Then the secretariat introduced the status quo of international and domestic standardization, the progress on biometric identification registering and on construction of biometric identification test platform. In the end, direction for 2017 was proposed: new standard proposals, innovation, internationalization, construction of the biometric identification test platform, and interaction and communication with relevant industrial alliances and other organizations.

30. CCSA/TC11 holds Virtual Reality/Augment Reality (VR/AR) Seminar

On 25 November 2016, CCSA/TC11 (mobile internet application and terminal technical committee) held the Virtual Reality/Augment Reality (VR/AR) Seminar during its 14th plenary session.

The seminar discussed development of VR/AR industry, key technology, application, standardization, test and evaluation, etc., analysed trend of the industry, and proposed relevant standardization suggestions and advices.

31. CCSA/TC6 18th plenary session focuses on researching on optical communication standards

From 22 to 25 November 2016, CCSA/TC6 (transport network and access network technical committee) held the 18th plenary session in Changzhou city.

The main progress each working group has achieved is provided in [Annex 5](#).

In addition, working groups discussed 2017 new standard proposals, covering various techniques, such as transmission SDN, COMPASS timing device, quantum communication, NG-PON2, XGS-PON, smart gateway, optical fibre coating, 200G optical transceiver module, etc.

32. CCSA/TC9 holds 23th plenary session to promote standardization of EMC of wireless communication device in vehicle

From 30 November to 1 December 2016, CCSA/TC9 (EMC and security protection technical committee) held their 23th plenary session in Fuzhou city. The progress each working group has made can be found in [Annex 6](#).

33. “Technical requirement for emergency service based on VoLTE” draft standard is approved

The ministry-level draft standard for approval: “*technical requirement for emergency service based on VoLTE*” was reviewed and passed by CCSA/ST3 (telecommunication infrastructure construction and share special team) recently.