

Annex 5

Construction and Operation Standards for the “Chinauto” Project

(Draft for comments)

I. Project Positioning

The “Chinauto” Project is a high-skilled talent cultivation program for new energy vehicles tailored for countries and regions along the “Belt and Road” Initiative. As a key initiative of the New Energy Vehicles Consortium for Joint Cultivation of High-Skilled Talents to advance international cooperation and skill globalization, it aims to build a multi-stakeholder collaborative talent cultivation platform of “government, industry, colleges and enterprises” under the existing vocational education systems of countries and regions along the “Belt and Road” Initiative. The platform is designed to cultivate localized and adaptive technical and skilled talents for the local automotive industry and Chinese-funded enterprises. The project consists of three levels: “Chinauto” Skill Center, “Chinauto” Brand Workshop and “Chinauto” Skill Station.

II. Construction Content

Centering on five dimensions: venue and facility construction, professional teacher training, teaching resource development, deepening of industry-education integration, and talent cultivation and employment¹-the three levels of the project are promoted in a distributed manner, balancing differentiated allocation based on regional demands and standardized requirements for construction and operation. The progress and effectiveness of project construction are monitored in real time to advance the implementation of the project in a pragmatic manner.

III. Construction Standards

¹ It refers to a project implementation model featuring cross-team, cross-regional and multi-node collaborative operation.

(I) “Chinauto” Skill Center

Serial No.	First-level Indicator	Second-level Indicator	Third-level Indicator
1	Venue and Facility Construction	Venue Space	1. Independent venue with a usable area of $\geq 600 \text{ m}^2$, including a teaching area ($\geq 150 \text{ m}^2$), a practical training area ($\geq 300 \text{ m}^2$), a comprehensive office area ($\geq 50 \text{ m}^2$) and a warehouse ($\geq 100 \text{ m}^2$); 2. The practical training area is divided into multiple professional high-voltage safety protection zones (total area $\geq 80 \text{ m}^2$); 3. Floor height of the practical training area $\geq 4.0 \text{ m}$
		Environmental Facilities	1. Equipped with supporting facilities such as water, electricity and gas supply; the power supply capacity for practical training equipment $\geq 100\text{kW}$, voltage $\geq 380\text{V}$; 2. Network bandwidth $\geq 100 \text{ Mbps}$, supporting HD remote teaching, multi-terminal synchronous practical training guidance and enterprise technical exchanges; 3. Equipped with no less than 3 online teaching terminals
		Signage and Decoration	Reserve a dedicated area for “Chinauto” signage and decoration in the project central area, and strictly comply with unified specifications
		Safety Assurance	1. No less than 10 sets of high-voltage safety protection suits, high-voltage danger warning signs, protective barriers/insulating floor mats; 2. New energy-specific fire fighting equipment, 1 set per 50 m^2 , with additional special fire extinguishing equipment configured in the battery practical training area; 3. Equipped with leakage protector training devices; 4. Equipped with practical training venue signs and ventilation equipment
2	Professional Teacher Training	Team Building	1. Equipped with no less than 10 professional teachers holding low-voltage electrician certificates; 2. At least 2 teachers with frontline technical work experience in automotive enterprises; 3. All teachers have bilingual teaching capabilities and teaching experience in new energy vehicle-related majors, and must pass the brand certification training of local cooperative Chinese-funded enterprises

		Enterprise Mentors	No less than 3 technical backbones/experts for part-time teaching per semester
		Teacher Training	Carry out inbound or localized training for professional teachers no less than 15 person-times per year according to the needs of professional construction, enabling them to apply advanced Chinese teaching standards and models, proficiently use practical training and teaching equipment, and implement teaching locally
3	Teaching Resource Development	Professional Standards	Formulate no less than 3 professional teaching standards in line with local requirements
		Curriculum Standards	Develop no less than 15 bilingual professional curriculum standards
		Teaching Material Resources	1. Develop no less than 10 localized bilingual teaching materials; 2. Develop no less than 15 supporting curriculum resource packages
		Practical Training Equipment	Meet the teaching requirements of professional basic and comprehensive practical training at the Skill Center, with no less than 10 standard practical training stations; other basic requirements are as follows: 1. No less than 10 sets of insulating tools; 2. No less than 10 workbenches; 3. No less than 3 car lifts; 4. No less than 3 sets of new energy vehicle-specific diagnostic and testing equipment; 5. No less than 3 charging piles
4	Deepening of Industry-Education Integration	Industry-Enterprise Adaptability	Align with the demands of local industry and enterprise development for technical and skilled talents and technical cooperation needs
		University-Enterprise Co-construction	Participation of no less than 3 leading Chinese-funded industrial chain enterprises in construction
		Service and Transformation	Participate in no less than 1 initiative of industry standard development, technical service or achievement transformation
5	Talent Cultivation Implementation	Student Cultivation	No less than 3 classes opened per semester
		Internship and Employment	Each cooperative enterprise provides internship and employment opportunities for no less than 50 person-times per year, or a total of no less than 150 person-times per year
		Continuing Education	1. Conduct enterprise employee training for no less than 300 person-times per year;

			2. Open no less than 2 classes for social personnel training per year, or a total of no less than 60 person-times per year
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(II) “Chinauto” Brand Workshop

Serial No.	First-level Indicator	Second-level Indicator	Third-level Indicator
1	Venue and Facility Construction	Venue Space	1. Independent venue with a usable area of ≥ 200 m ² ; 2. Floor height of the practical training area ≥ 4.0 m
		Environmental Facilities	1. Equipped with supporting facilities such as water, electricity and gas supply, with a power supply of voltage ≥ 380 V; 2. Network bandwidth ≥ 100 Mbps, supporting HD remote teaching, multi-terminal synchronous practical training guidance and enterprise technical exchanges
		Signage and Decoration	Reserve a dedicated area for “Chinauto” signage and decoration in the project central area, and strictly comply with unified specifications
		Safety Assurance	1. No less than 5 sets of high-voltage safety protection suits, high-voltage danger warning signs, protective barriers/insulating floor mats; 2. New energy-specific fire fighting equipment, 1 set per 50 m ² , with additional special fire extinguishing equipment configured in the battery practical training area; 3. Equipped with leakage protector training devices; 4. Equipped with practical training venue signs and ventilation equipment
2	Professional Teacher Training	Team Building	1. Equipped with no less than 5 professional teachers holding low-voltage electrician certificates; 2. All teachers have bilingual teaching capabilities and teaching experience in new energy vehicle-related majors, and must pass the brand certification training of local cooperative Chinese-funded enterprises
		Enterprise Mentors	No less than 2 technical backbones/experts for part-time teaching per semester
		Teacher Training	Carry out inbound or localized training for professional teachers no less than 10 person-times per year according to the needs of professional construction, enabling them to apply advanced

			Chinese teaching standards and models, proficiently use practical training and teaching equipment, and implement teaching locally
3	Teaching Resource Development	Professional Standards	Formulate no less than 2 professional teaching standards in line with local requirements
		Curriculum Standards	Develop no less than 10 bilingual professional curriculum standards
		Teaching Material Resources	1. Develop no less than 5 localized bilingual teaching materials; 2. Develop no less than 10 supporting curriculum resource packages
		Practical Training Equipment	1. Meet the teaching requirements of professional basic and comprehensive practical training of the project, with advanced performance compared with local technological development; 2. No less than 4 standard practical training stations
4	Deepening of Industry-Education Integration	Industry-Enterprise Adaptability	Align with the demands of local industry and enterprise development for technical and skilled talents and technical cooperation needs
		University-Enterprise Co-construction	Participation of no less than 1 leading Chinese-funded industrial chain enterprise in construction
5	Talent Cultivation Implementation	Student Cultivation	No less than 2 classes opened per semester
		Internship and Employment	Each cooperative enterprise provides internship and employment opportunities for no less than 50 person-times per year
		Continuing Education	Conduct enterprise employee training for no less than 100 person-times per year

(III) “Chinauto” Skill Station

Serial No.	First-level Indicator	Second-level Indicator	Third-level Indicator
1	Venue and Facility Construction	Venue Space	1. Independent venue with a usable area of ≥ 100 m ² ; 2. Floor height of the practical training area ≥ 4.0 m
		Environmental Facilities	1. Equipped with supporting facilities such as water, electricity and gas supply, with a power supply of voltage ≥ 380 V; 2. Network bandwidth ≥ 50 Mbps, supporting HD remote teaching, multi-terminal synchronous practical training guidance and enterprise technical exchanges
		Signage and	Reserve a dedicated area for “Chinauto” signage and

		Decoration	decoration in the project central area, and strictly comply with unified specifications
		Safety Assurance	<ol style="list-style-type: none"> 1. No less than 3 sets of high-voltage safety protection suits, high-voltage danger warning signs, protective barriers/insulating floor mats; 2. New energy-specific fire fighting equipment, 1 set per 50 m², with additional special fire extinguishing equipment configured in the battery practical training area; 3. Equipped with leakage protector training devices; 4. Equipped with practical training venue signs and ventilation equipment
2	Professional Teacher Training	Team Building	<ol style="list-style-type: none"> 1. Equipped with no less than 2 professional teachers holding low-voltage electrician certificates; 2. All teachers have bilingual teaching capabilities and teaching experience in new energy vehicle-related majors, and must pass the brand certification training of local cooperative Chinese-funded enterprises
		Enterprise Mentors	No less than 1 technical backbone/ expert for part-time teaching per semester
		Teacher Training	Carry out inbound or localized training for professional teachers no less than 5 person-times per year according to the needs of professional construction, enabling them to apply advanced Chinese teaching standards and models, proficiently use practical training and teaching equipment, and implement teaching locally
3	Teaching Resource Development	Professional Standards	Formulate no less than 1 professional teaching standard in line with local requirements
		Curriculum Standards	Develop no less than 5 bilingual professional curriculum standards
		Teaching Material Resources	<ol style="list-style-type: none"> 1. Develop no less than 2 localized bilingual teaching materials; 2. Develop no less than 5 supporting curriculum resource packages
		Practical Training Equipment	<ol style="list-style-type: none"> 1. Meet the teaching requirements of professional basic and comprehensive practical training of the project, with advanced performance compared with local technological development; 2. No less than 2 standard practical training stations
4	Deepening of Industry-Education Integration	Industry-Enterprise Adaptability	Align with the demands of local industry and enterprise development for technical and skilled talents and technical cooperation needs

		University-Enterprise Co-construction	Participation of no less than 1 leading Chinese-funded industrial chain enterprise in construction
5	Talent Cultivation Implementation	Student Cultivation	No less than 1 class opened per semester
		Internship and Employment	Cooperative enterprises provide internship and employment opportunities for no less than 20 person-times per year
		Continuing Education	Conduct enterprise employee training for no less than 50 person-times per year

IV. Construction Achievements

1. Project Benefits: Remarkable results in talent cultivation, with a graduate employment rate of $\geq 85\%$, an overall enterprise satisfaction rate of $\geq 90\%$, and a vocational skill level certification pass rate of $\geq 90\%$. The project delivers a corresponding scale of adaptive technical and skilled talents to the new energy vehicle industry of the host countries/regions, boosting the upgrading and development of the local new energy vehicle industry.

2. Social Influence: Gain recognition from the competent government education departments, automotive industry associations and local Chinese-funded automotive enterprises of the host countries/regions, and build a good industry reputation and regional influence.

3. Sustainable Development: The project has a stable operational foundation, a standardized management system and a sustainable resource guarantee capacity to realize long-term operation. The guarantee rate of core construction resources such as project teachers, venues and practical training equipment reaches 100%, the annual operating fund in-place rate is $\geq 90\%$, and all levels are advanced steadily in accordance with the construction plan.

4. Brand Building: Carry out regular China-international people-to-people exchanges, technical exchanges, skill competitions and other international cooperative exchange activities, build a new energy vehicle skill talent cultivation brand with regional recognition, and enhance the international influence of the “Chinauto” brand.

V. Implementation Notes

1. These Standards serve as the basic requirements for the construction of the

“Chinauto” Project, and the project implementation must meet or exceed such requirements. For countries/regions with weak infrastructure, implementation may be carried out in accordance with the approved standards after submitting an explanation for standard adjustment and obtaining the approval of the Project Management Office.

2. The “Chinauto” Project Management Office is responsible for the implementation, process supervision and professional guidance of these Standards, and conducts mid-term inspections and final acceptance in accordance with the construction cycle. Entities that fail to meet the construction standards shall rectify within a time limit; those that fail to rectify within the time limit or still fail to meet the standards after rectification shall be dealt with in accordance with the relevant provisions of the Construction and Operation Regulations for the “Chinauto” Project.

3. These Standards are jointly initiated by the National Steering Committee of Teaching for Automobile Vocational Education, China (hereinafter referred to as the NSCTAVE), the Chinese Society of Automotive Engineers and the World New Energy Vehicle Development Organization, and jointly formulated and evaluated for acceptance by leading Chinese-funded industrial chain enterprises including BYD, SAIC Motor, Chery, Geely, GWM, GAC Group, Changan Automobile, Leapmotor, XPEV, NIO, Sinotruk, Dongfeng Liuzhou Motor, SAIC-GM-Wuling, CATL, Gotion High-Tech, EVE Energy, CALB, SVOLT, Lvkong Motor, and others. The final interpretation right of these Standards resides with the “Chinauto” Project Management Office.

4. These Standards shall come into force on the date of issuance.