



INDUSTRIAL SKILLS FRAMEWORK Newsletter

EDITOR'S NOTE

In August, the IndSF Unit conducted a series of workshops with various subject matter experts to develop and enhance the following IndSF documents: Agriculture Industry [Oil Palm Plantation], Food & Beverages [Food Manufacturing], IndSF Textile Manufacturing, Digital Technology [Artificial Intelligence], Machinery & Equipment [Welding], and Oil, Gas & Energy. We have also conducted several engagements with external stakeholders to promote published IndSF documents among stakeholders and collaborators.

In addition, we are delighted to announce the establishment of the Sectorial Training Committee (STC), which will play an advisory role to HRD Corp on the training needs of the industry. Therefore, we would like to take this opportunity to express our gratitude to our industry partners and collaborators for their continuous support in addressing the industry's human capital development needs. In conjunction with the Merdeka Month, we also would like to wish you a happy Independence Day. May this celebration bring unity and prosperity to all of us in Malaysia.

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DEVELOPMENT

INDUSTRIAL SKILLS FRAMEWORK 2022

AGRICULTURE INDUSTRY - OIL PALM PLANTATION



On 1 and 2 August 2022, the IndSF Unit hosted the inaugural workshop on the IndSF Agriculture Industry - Oil Palm Plantation. We developed an IndSF document for the agriculture industry that focuses on the five sub-focus areas in oil palm plantation, nursery, replanting, field maintenance, harvesting and drone technology. This document was developed with the support of ten collaborators, namely:

- Malaysian Palm Oil Board (MPOB), Malaysian Palm Oil Association (MPOA)
- Bahagian Penggalakan Inovasi dan Modal Insan Industri (PIMI) – Ministry of Plantation Industries and Commodities (MPIC)
- Incorporated Society of Planters (ISP), FGV Holdings Berhad
- Malaysia Productivity Corporation (MPC)
- Malaysia UAV Drones Activist Society (MUDAS)
- Malaysia Aerospace Industry Association (MAIA)
- Malaysian Research Accelerator for Technology and Innovation (MRANTI)
- Malaysia Digital Economy Corporation (MDEC)

FOOD & BEVERAGES INDUSTRY - FOOD MANUFACTURING



The IndSF Unit is currently working closely with three main collaborators to ensure that the IndSF documents meet all industry requirements. There are four focus areas; Quality Assurance, Halal, Food & Beverage, Manufacturing and Research & Development. The collaborators for IndSF Food and Beverages - Food Manufacturing are as follows:

- Federation of Malaysian Manufacturers (FMM)
- Ayamas Food Corporation Bhd (AYAMAS)
- Jabatan Kemajuan Islam Malaysia (JAKIM)

The IndSF Unit is thankful for the contributions of subject matter experts who always ensure the facts and details in the documents are accurate and valid.

DEVELOPMENT

INDUSTRIAL SKILLS FRAMEWORK 2022

TEXTILE INDUSTRY - MANUFACTURING

IndSF Textile - Manufacturing focuses on the textile subsector comprising 61 identified job roles. In August, the validation session for five sub-focus areas included:

- Upstream
- Machinery, Fabric Formation (Printing)
- Fabric Formation (Dyeing, Finishing & Printing)
- Fabric Formation (Weaving and Knitting)
- Fabric Production (Production, Planning and Control, Production QC)

The Malaysian Textile Manufacturers Association and Malaysian Knitting Manufacturers Association have reviewed the Career Pathways in the IndSF Textile - Manufacturing documents. From the comments and feedback given, there were several items that need to be amended before the final workshop session.



The IndSF Unit has also been continuously conducting engagement sessions with collaborators such as the Malaysian Textile Manufacturers Association (MTMA) and Malaysian Knitting Manufacturers Association (MKMA) to seek more subject matter experts that can help ensure the accuracy and reliability of the working document.

ENHANCEMENT

INDUSTRIAL SKILLS FRAMEWORK 2022

MACHINERY & EQUIPMENT INDUSTRY - WELDING

To ensure the IndSF documents remain relevant to the industry, all published documents will be periodically reviewed by the industry's subject matter experts. The enhancement of the IndSF for the machinery & equipment industry this year focuses on the welding sector. In August, we conducted the fourth workshop session that collated the input given by our four collaborators, which were: Machinery & Engineering Industries Federation (MEIF), Machinery Equipment Manufacturers Association (MEMA), Malaysian Welding Joining Society (MWJS) and Malaysia Productivity Corporation (MPC). They were divided into three sub-focus areas: Welding Practitioner, Welding Inspection and Welding Coordination.



OIL GAS & ENERGY INDUSTRY

The unit has been working closely with **Petroleum Nasional Berhad (PETRONAS)** and the **Malaysian Oil & Gas Services Council (MOGSC)** to identify qualified subject matter experts to review, enhance and verify the documents. The subject matter experts are currently developing the **Onshore Facilities & Downstream Plant Skillsets** IndSF documents which include:

1. Maintenance Activities
2. Turnaround Activities
3. Project Activities

There are 11 skillsets that have been identified to be added under the mentioned focus areas:

1. Welding Inspection
2. Hydro-Jetting
3. Insulation
4. Blasting & Painting (Blaster)
5. Blasting & Painting (Painter)
6. Coating Inspection
7. Thermal Spray Coating
8. Corrosion Monitoring
9. Rotating Equipment Vibration Monitoring
10. Flange Management
11. Cathodic Protection (CP) Monitoring

ENHANCEMENT

INDUSTRIAL SKILLS FRAMEWORK 2022

DIGITAL TECHNOLOGY - ARTIFICIAL INTELLIGENCE

The development and enhancement of the IndSF for Digital Technology this year focuses on artificial intelligence (AI). The collaborators for IndSF Digital Technology are: Malaysia Digital Economy Corporation (MDEC), the National Tech Association of Malaysia (PIKOM) and Malaysia Productivity Corporation (MPC). The IndSF Unit is looking forward to the valuable contributions from subject matter experts. We hope to publish the document by the end of 2022.



SECTORIAL TRAINING COMMITTEE

The Sectorial Training Committee (STC) was established in April 2022 as an advisory and consultative committee to HRD Corp. It provides insights into the training needs and requirements of various industries. We will be establishing 27 STCs comprising 238 sub-sectors soon. The main objectives of the STC are:

- To assist in establishing the Industrial Skills Framework (IndSF)
- To recommend industry-based recognition and certification
- To advise on studies of high-level strategic orientation and activities of the industry where necessary

The establishment of STCs will enable further discussion on the training needs and in-demand programmes for the respective sub-sectors. In addition, the STC will also enable HRD Corp to play a better role in driving the development of Malaysia's current and future workforce. This is in line with the nation's pursuit of becoming a high-income and developed economy. The IndSF unit is ready to form 10 STCs this month, which are: STC Oil, Gas & Energy, STC Transportation, STC Digital Technology, STC Textile, Apparel & Footwear, STC Hospitality, STC Education, STC Wholesale & Retail, STC Financial & Banking, STC Wood Based Products and STC Logistics & Warehousing .

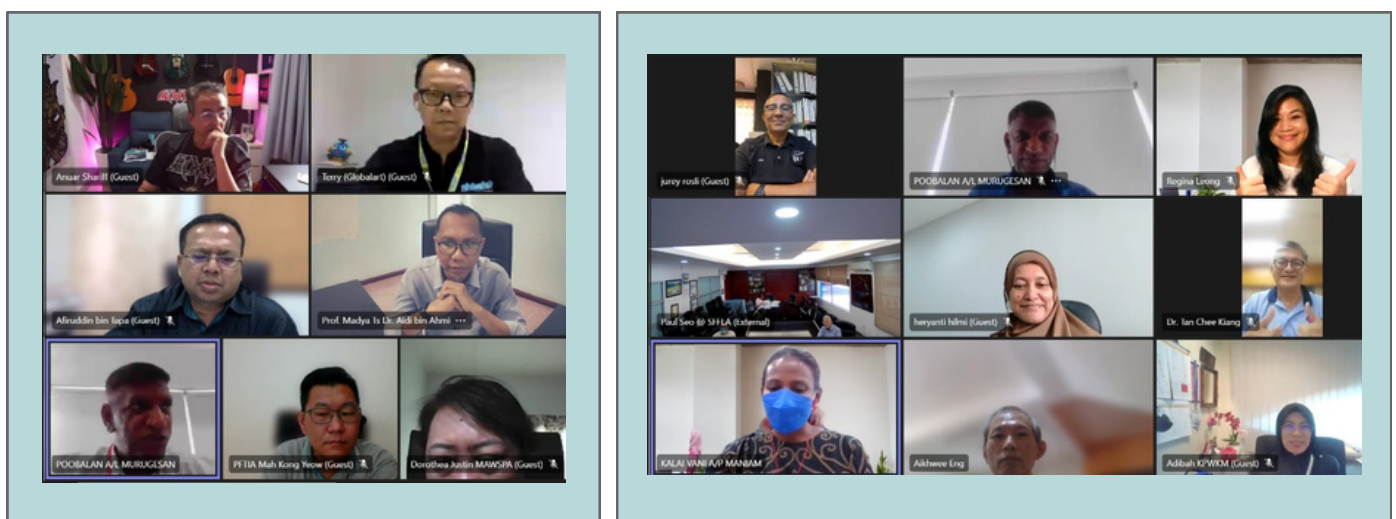


Image: STC Briefing Session which was conducted in August 2022.

Photo gallery of IndSF activities that were carried out in August 2022.



Image 1: IndSF Machinery & Equipment Workshop 3/2022.



Image 2: IndSF Agriculture - Oil Palm Plantation Workshop 01/2022.

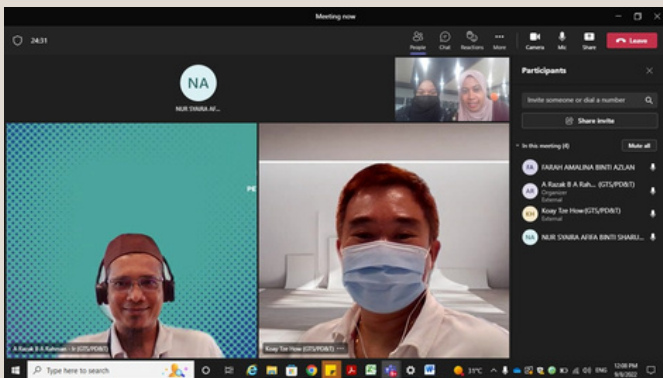


Image 3: IndSF Oil, Gas and Energy 01/2022.

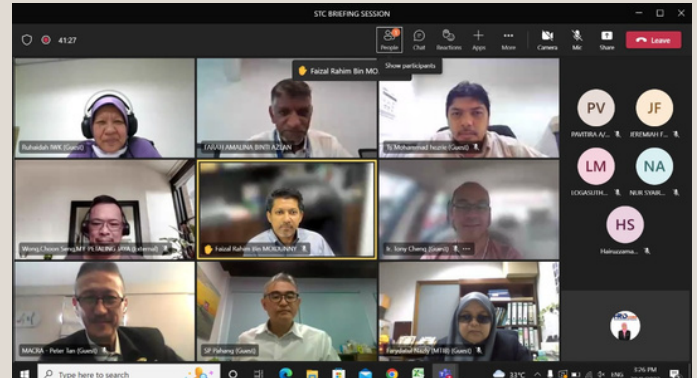


Image 4: Sectorial Training Committees Briefing Session on 30 August 2022.



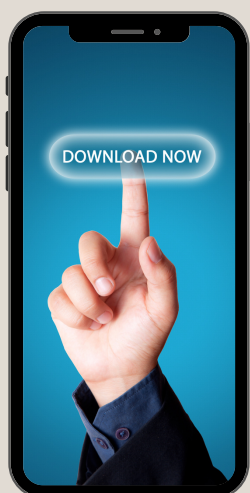
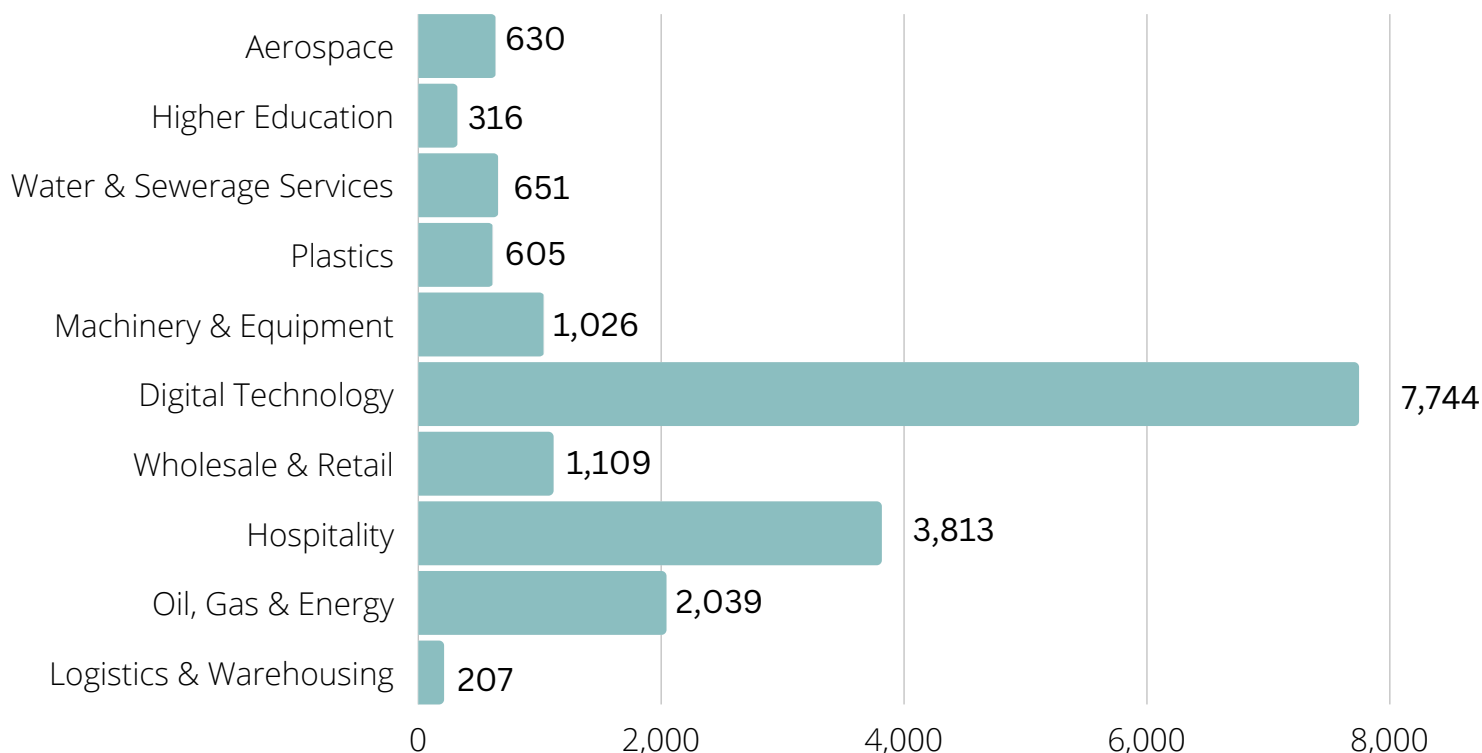
Image 5: IndSF Textile Manufacturing Validation Session.



Image 6: IndSF Machinery and Equipment - Welding Workshop 4/2022.

PUBLISHED

INDSF DOWNLOAD STATISTICS



Accumulated Number of Downloads Until August 2022

IndSF documents are readily available for download on the HRD Corp website (<https://hrdcorp.gov.my/indsf/>). The IndSF Unit has been keeping track of the number of downloads, and there has been a steady increase from previous months for each of the published industry document. The IndSF Unit is looking towards engaging and promoting all the documents to the public to create awareness of the documents' importance and its relevance to Malaysia's human capital development. We will also continue to work with all industries to develop more IndSF documents in the coming year.

