HARVESTNET
Harvesting Goodness Everyday

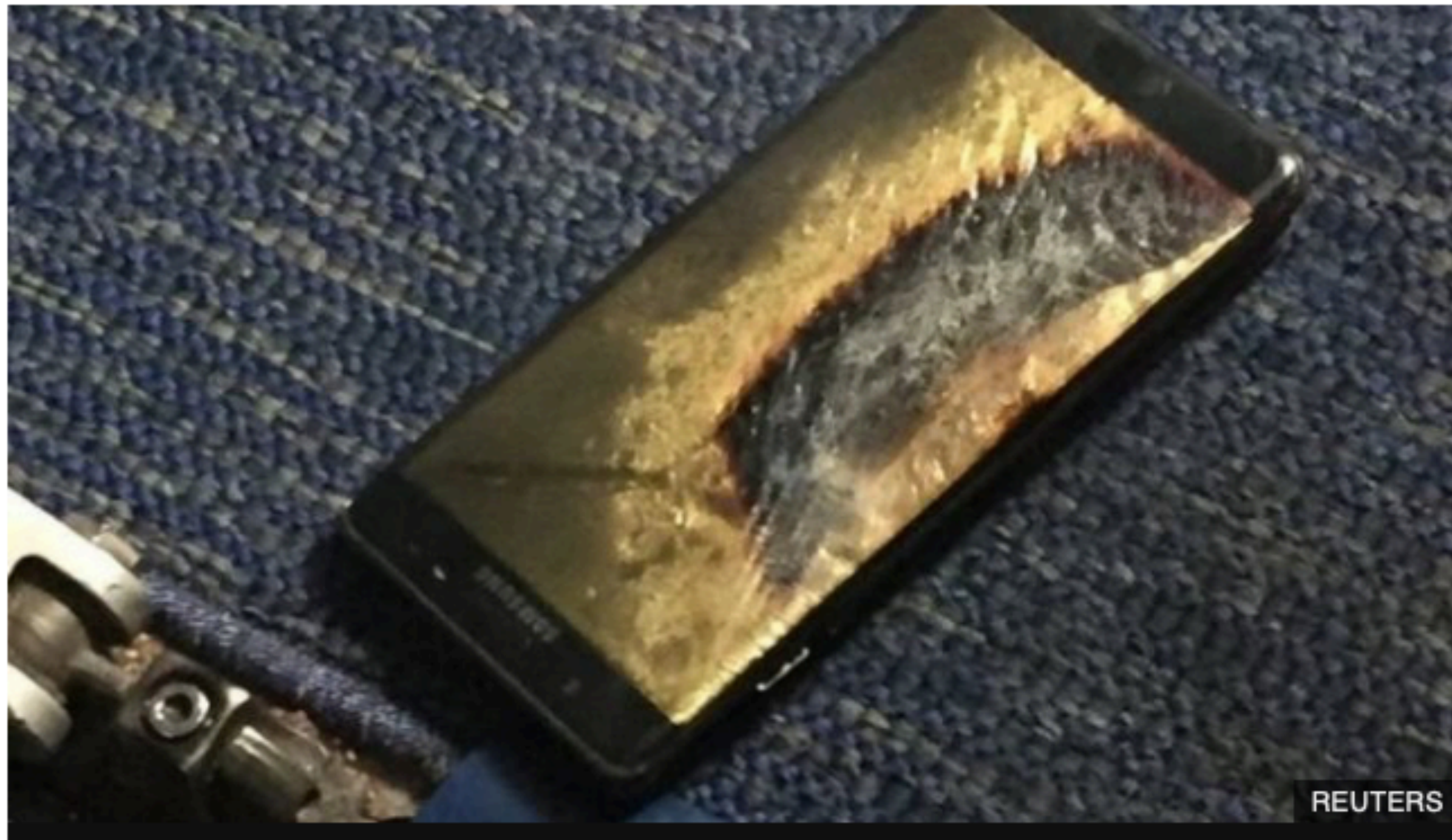# KKMM/MCMC IOT PRODUCTS CERTIFICATION SCHEME/ CLIENT BRIEFING

PRESENTED BY HARVESTNET S/B

SESSION 1: HNCA PCS OVERVIEW

WIRELESS PHONE SAFETY ISSUES

Samsung confirms battery faults as cause of Note 7 fires

23 January 2017

f ⦿ 🐦 ✉ ⌲ Share

REUTERS

Shocking Phones

Wu Jiantong (Beijing, July 8 2013) was found spasming on the floor of his home by his sister who heard him shout for help. She succeeded in pulling the charger from the power source but by then her brother was no longer responding. When paramedics arrived, they had to pry the iPhone 4 from his left hand. He has since been in a ten-day coma in hospital (as of July 19).

WIRELESS IOT PRODUCTS SECURITY ISSUES

stuff ☰   business

Hidden cameras: what are your rights?

Bonnie Flaws and Mandy Te · 09:55, Feb 19 2019

MICHAEL KOUK/SUPPLIED

Michael Kouk and a bridesmaid discovered a light bulb with a spy camera at a rental home in west Auckland.

Are you being watched by hidden cameras in rental holiday homes?

NICB

UNLOCK

START

STEAL

MYSTERY DEVICE REVEALED

Faraday for Keyfob, Prevent car theft - December 15, 2016

National Insurance Crime Bureau Issues Alert about Vehicle Theft from Hacking Keyless-Entry Systems

WHO IS REGULATING THIS AND HOW?

MCMC IOT PRODUCTS REQUIREMENTS

1 PRODUCT CONFORMITY CERTIFICATION

2 MCMC E-LABEL

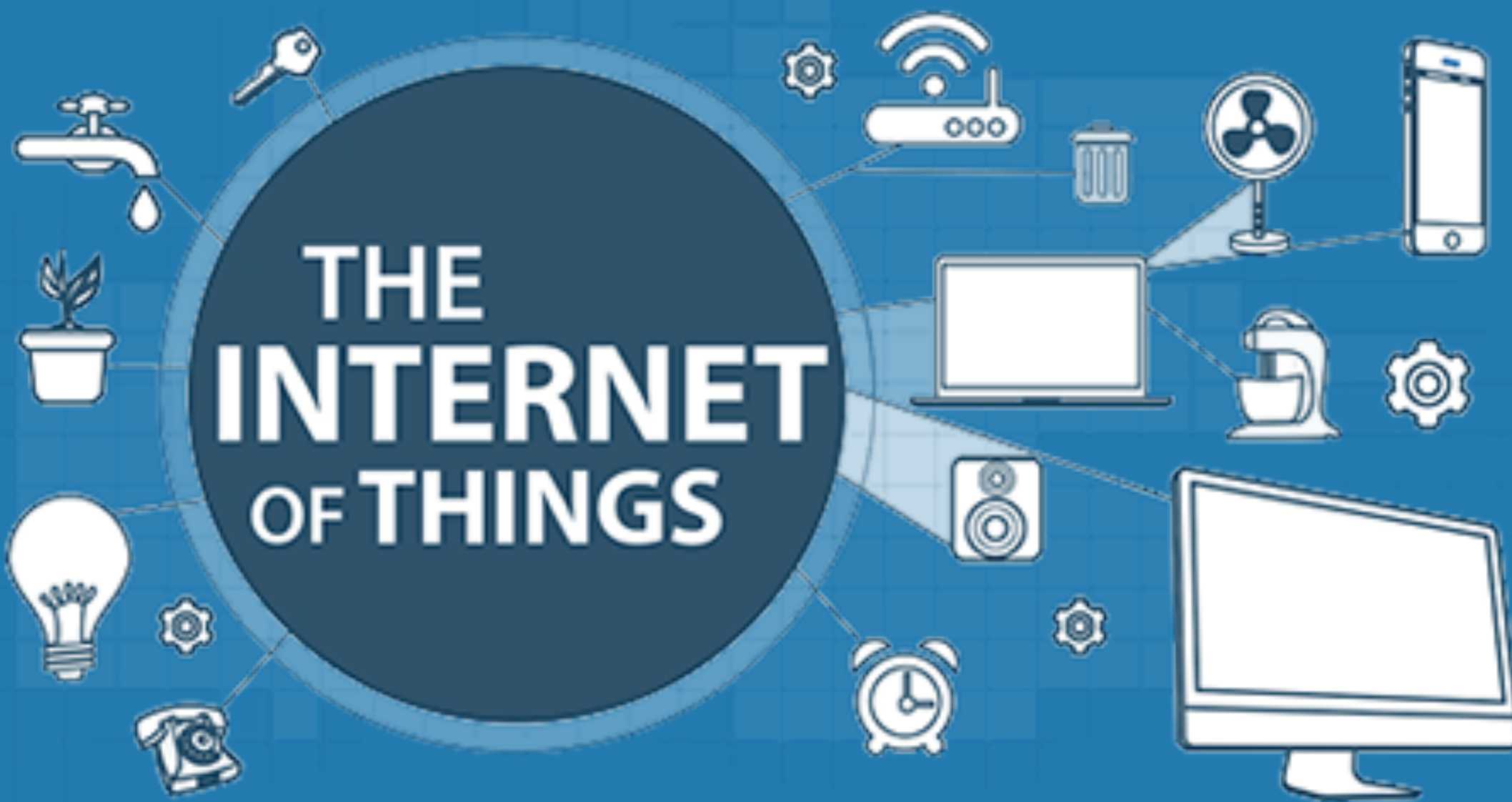**3** CUSTOMS E-PERMIT

60% UNREGISTERED

IOT PRODUCTS CERTIFICATION SCHEME

CONFORMITY ASSESSMENT OF TEST REPORTS
- **Radiofrequency RF**
- **Electromagnetic EMC**
- **Specific Absorption Rate SAR**
- **Safety (Power Plugs, Cable)**

PRODUCTS TYPES TO COVER
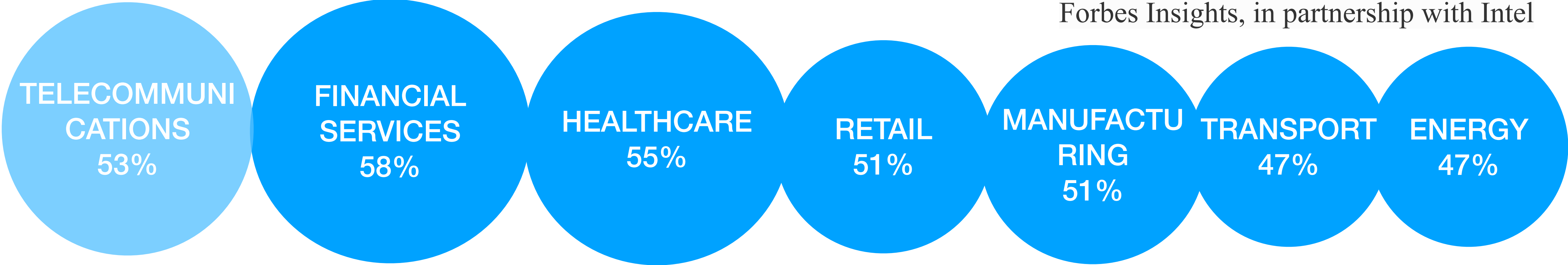Communication Equipment;
 a) Electricity Safety

 b) Electromagnetic Immunity & Compatibility
    i.   below 30kHz
    ii.   between 26kHz and 1,300 MHz
    iii. above 1,3000 MHz

 c) Network Interoperability Wireless
    i.   public switched and cellular telephony networks;
    ii.   data networks ; and
    iii. software

 d) Wireless for the following frequency bands
    i.   below 30kHz
    ii.   between 26kHz and 1,300 MHz
    iii. above 1,3000 MHz

 e) Light Wave Apparatus

INDUSTRIAL 4.0

Automation   Big Data   Cloud computing   Autonomous   IOT   Data Management

How IoT Is Impacting
7 Key Industries Today

Forbes Insights, in partnership with Intel

TELECOMMUNI
CATIONS
53%

FINANCIAL
SERVICES
58%

HEALTHCARE
55%

RETAIL
51%

MANUFACTU
RING
51%

TRANSPORT
47%

ENERGY
47%

Presented by Harvestnet Sdn Bhd

HN Certifying Agency- Product Certification Scheme Flow

Certificate of Conformity

Type Approval Certification- Paper Evaluation (Test Reports) Mutual DB Verifications

SLP: Markings / Label Mutual DB Verifications

Shipment Clearance

1 **Product Certification**

CERTIFYING AGENCY, CA

2 **Product Markings**

CERTIFYING AGENCY, CA

3 **E-Permit**

via E-Permit DNeX

1. Verification
2. Evaluation
3. Reviewer
4. Approver

No Test Reports- To Perform Lab Testing- 17025 Accredited eg SIRIM MITI, PTEC NSTDA

Approval and Release

4 **Market Surveillance**

CERTIFYING AGENCY, CA

HNCA.online

admin

••••••••••

Sign in

Forgot password?

You don't have an account? Sign up

Useful Product Certification Scheme
Information for Clients to read
1. Overview on Product Certification Scheme (pdf)
2. Client User Manual **UMC-DOC-01/5**
Full PCS materials will be emailed to you upon submission
of New Registration to E2 HNCA-TAC-01/1/1Form
3. Self-read materials available at
 http://hnca.online/index.php/knowledge_base

Access here for ==> Public E-Tracker

BUSINESS MANAGEMENT

HNCA USPs

1. **Cover new IOT industries** Industry Background (ex-Ericsson, NEC & SIRIM)
2. **Simplified UI/UX-** Less Complicated Form (1 Form vs 4 Forms)
3. **Fantastic Service** (Transparency & Accountability in Application Process)
4. **Better Locations** (5-8 Client Support Branches within Klang Valley itself)
5. **Industry Partnering** Marketing Events & E-Commerce Support Clients' Sell Thru

HN SaaS Platform for Type Approval-Client

Easy to Navigate UI/UX & CRM Rewards Management

INVOICES

TOTAL DUES

30,500
TOTAL POINTS

Please select a form from the following list to submit your request.

1.0 New Registration to E2 HNCA-NEW-01 *

1.1--- New Registration to E2- Type Approval Code (Existing- Other CA) List - HNCA-NEW-02

2. New Type Approval & Technical Checklist* (Paper Evaluation- Normal/Express) HNCA-TN/TE-01

2. New Type Approval & Technical Checklist* (Paper Evaluation- Normal/Express) HNCA-TN/TE-01**Evaluation**

2. New Type Approval & Technical Checklist* (Temporary Approval) HNCA-T6/T9-02

3. SLP-Products' Registration Database- HNCA-SLP-01

4. E-Permit Application Form- HNCA-EP-01

✔ **Master Applicant**

APPLE MALAYSIA SDN BHD (0491974-A)

✔ **Additional Applicants**

Machines Malaysia Sdn Bhd
Best Denki (M) Sdn Bhd
(refer to attached letter of appointment)

✔ **Product Category**

LTE Smartphone

✔ **Brand**

Apple

✔ **Class Assignment**

cellular mobile access device as specified in the First Schedule

✔ **Product Model**

Apple iphoneX (A1902)

✔ **Categories (General Info)**

LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 28, 38, 39, 40, 41
UMTS/HSPA+/DC-HSDPA (900, 2100 MHz)
GSM/EDGE (900, 1800MHz)
802.11ac Wi-Fi with MIMO
Bluetooth 5.0 wireless technology
NFC with reader mode

✔ **Categories Description**

TAC-Communications:Cellular (Voice)- (1 Band)|650, TAC-Communications:Ce
bands)|2500, TAC-Communications: Cellular 3G (2 bands)|1300, TAC-Commu
TAC-Communications:Wireless LAN [Support 802.11a/n: 5150 MHz - 5350 MH
Communications:Bluetooth|650, TAC-Communications:Global Positioning Sy

Title	Created date	Status
2. New Type Approval & Technical Checklist* (Paper Evaluation- Normal/Express) HNCA-TN/TE-01	2018-04-06 04:14 pm	Verified
1.0 New Registration to E2 HNCA-NEW-01 *	2018-03-23 11:32 am	Verified
2. New Type Approval & Technical Checklist* (Paper Evaluation- Normal/Express) HNCA-TN/TE-01	2018-02-02 03:25 am	3.Approved
2. New Type Approval & Technical Checklist* (Paper Evaluation- Normal/Express) HNCA-TN/TE-01	2018-02-02 02:56 am	1.Processing/Invoicing

HN SaaS Platform for Type Approval- Internal

Simple & Easy Management for Product Certification Evaluation Processes

Master Applicant

APPLE MALAYSIA SDN BHD (0491974-A)

Verified? ☑

Checked the Applicant and has previously registered with ROC certified

Additional Applicants

Machines Malaysia Sdn Bhd
Best Denki (M) Sdn Bhd
(refer to attached letter of appoi

Verified? ☑

Verified the attached copy of Dis

Wireless Product- Operating Frequency

RF LTE Bands, 3G GSM, Bluetooth, WLAN, NFC

Verified? ☑
Verifier

Have checked all the necessary test reports.
Complete and ready for assessment.

Evaluator

Test Report BT: Ref CetecomIPX180423
Complied.

Reviewer

Reviewer Remarks (if any)

E-Assessment transparency & accountability

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
31.37 dBV/m	32.71 dBV/m	32.43 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
32.57 dBV/m	34.17 dBV/m	33.81 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
34.37 dBV/m	35.59 dBV/m	34.85 dBV/m

Test Reports Evaluation

dB
0

-1.72

-3.43

-5.15

Categories (General Info)

LTE bands 1, 3, 5, 7, 8, 18, 19, 21, 2
UMTS/HSPA+/DC-HSDPA (900, 210
GSM/EDGE (900, 1800MHz)
802.11ac Wi-Fi with MIMO
Bluetooth 5.0 wireless technology
NFC with reader mode

Verified? ☑

Traceable Verification & Data Log for Impartial Assessment & Prevent Data Manipulation

Fri 2019-03-01 17:55:07:Pucchio Admin->YES
Fri 2019-03-01 17:55:53:Pucchio Admin->YES

OUR COMMITMENT TO EXCELLENCE

QP-DOC-03
Quality Policy

ISO/IEC 17065:2012 Certifying Bodies Accreditation
Technical Specifications Requirement TSR 2000

ISO 9001:2015 Quality Management Systems
ISO 30405:2016 Human Resource Management

QUALITY SUPPORT IN YOUR PRODUCT CERTIFICATION SCHEME

Nyou Wei Fung CEO

Nyou Wei Tak CTO

Professional Co-Founders & C-Level (1999 -2019: 20 years)

1. Nyou Wei Fung (Ericsson & Sony Mobile)
Products Development/ Approval, Branding & Design, Channels & Telcos CRM, Consumer Sales & Market Surveillance

2. Nyou Wei Tak (NEC JP, Mitsubishi Ponta)
Malaysia Customs SMK & eGovt Process & DB Management, Loyalty Management

Products Certification Management Lead (1999 -2019: 20 years)

3. En. Abdul Ghani (SIRIM & Jab. Telekom)
Communications & Multimedia Approval & Testing, MCMC-Technical Codes & Market Surveillance, Training OGAs on Customs Act, TSR 2000, CMA 1998

4. Ir Aida Razana (SIRIM Testing) 17025, 17065
Communications & Multimedia Testing, Market Surveillance, Labs Setup and Accreditation

Table 2. Level of conformance of products (certified & non-certified).

Location	Shop Name	Shop Address	Number of Product	Certified	Non-certified
KLCC (Central) 241, Kuala Lumpur City Centre, City Centre, 50088 Kuala Lumpur, Malaysia.	1. Flash Gadgets	Level 3, 325	2	2	0
	2. Foto Flash	Level 3, 330	3	0	3
	3. All IT Hypermarket	Level 3, LC 306-7	2	1	1
	4. Best Denki	Level 3, LC 303/ LC305	2	2	0
	5. Xiaomi Store	Level 3, Lot 330	2	0	2
Digital Mall PJ (North) 2, Jalan 14/20, Seksyen 14 Petaling Jaya, 46100 Petaling Jaya, Selangor.	1. The iCONZ Shop Sdn Bhd	First floor, K-F13 & K-G11	3		
	2. Yeelight	First floor	2		
	3. Thunder Match Technology Sdn Bhd	Second floor, 2-03 & 2-04	2		
	4. TS Camera	First floor, K-F18	2		

Analysis

Percentage of Certified & Non-certified Products

31.11%
68.89%

- Certified
- Non-certified

16
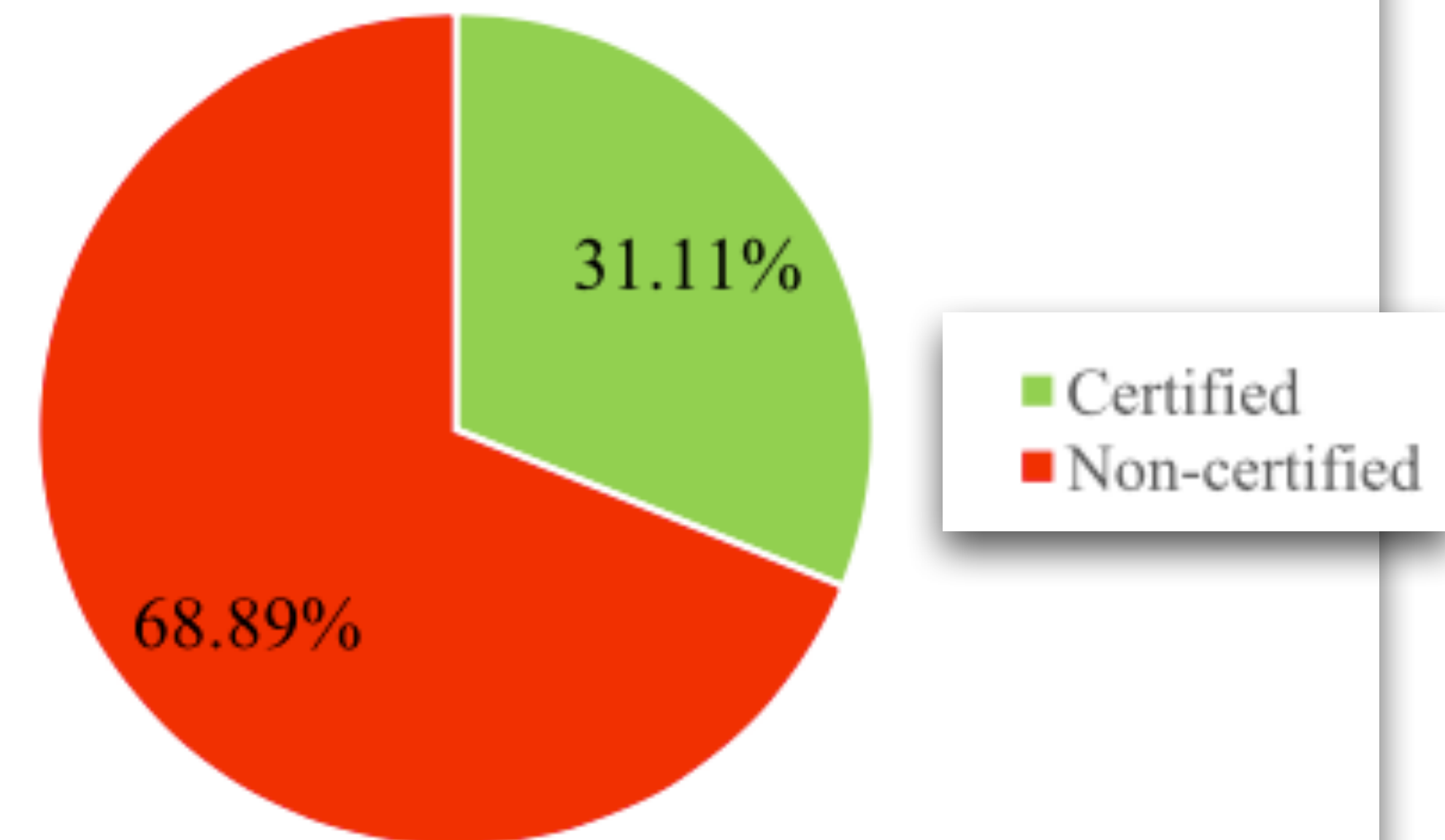
HN MARKET SUPPORT FOR CLIENTS

IOT MY PCS

Conformity Assessment

Product Traceability

Training People Economy

Corp & Consultants IoT Knowledge

SaaS Digital Economy

Increase Sales on Certified Products

*2025 Forecast

PRODUCT (Conformity)
LEGAL- CUSTOMS, CMA 1998, TSR 2000
STANDARDS- RF, EMC, SAR, Safety
CONFORMITY ASSESSMENT
- ISO/IEC 17065, ISO/IEC 17025 LABS

PROCESS
SIMPLIFICATION
OPTIMISATION- DATA ANALYTICS
COST REDUCTION - 50% Lower
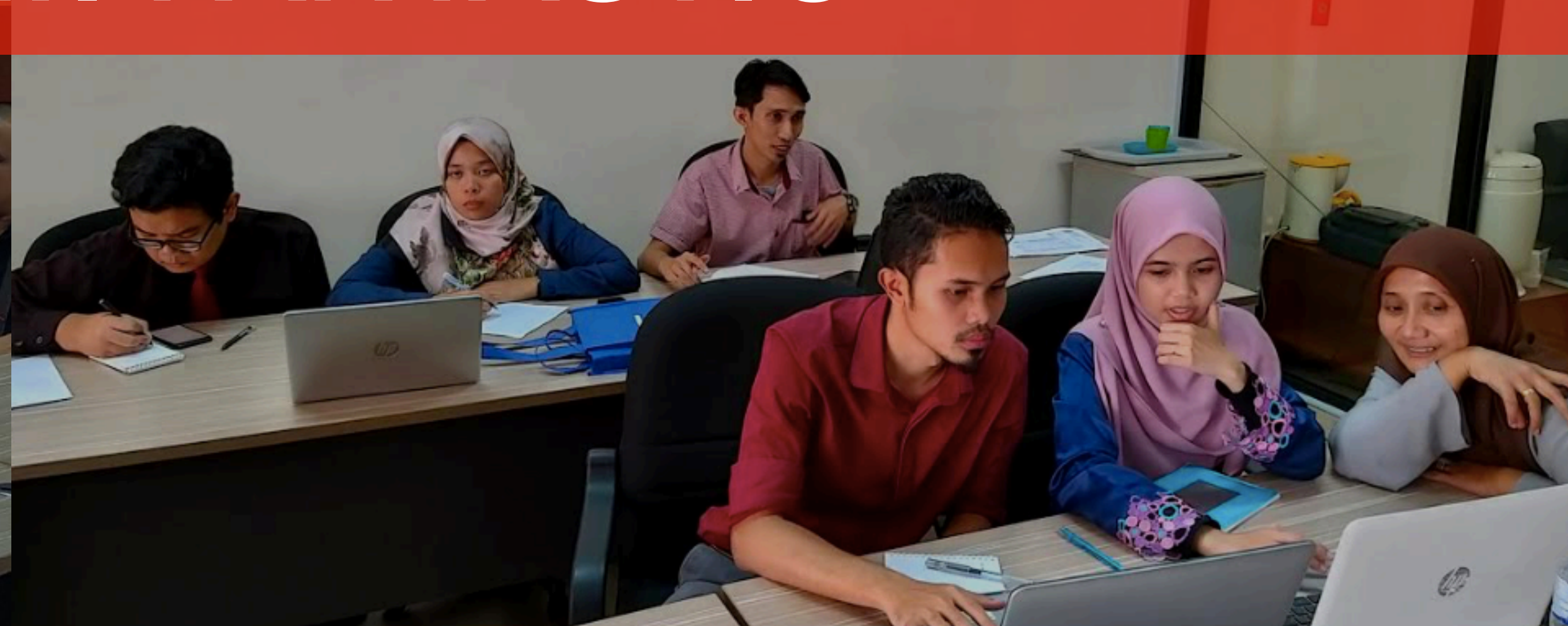
HNCA

PRODUCTIVITY
E2 SaaS Platform
- APPLICATION TRACK MONITORING
- ACCOUNTABILITY (P.I.C, Time, Findings, Status, Escalation)
- TRACEABILITY- Product Registration & Self- eLabeling

PEOPLE
COMPETENCE - KSA, TECHNICAL
TRAINING, ASSESSMENT, GRADE
MONITORING & REVIEW

FAST. FRIENDLY. FANTASTIC

"Give Us the Tools and We Shall Finish the Job"- Winston Churchill

HARVESTNET
Harvesting Goodness Everyday

Contact Us for further Enquiries & Book a Free Training for Your Company

🌐 hnca.online   ✉ harvestnet@upsizze.com   📞 +603 8657 6811/6822

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