GSES INTERNATIONAL TECHNOLOGY SOLUTIONS SDN. BHD.

Results validity is from **May 2026** onwards.

A. BASIC FEATURES

#	Items	Minimum Requirements (I)		Score	Additional Requirements 1 (II)	Score	Additional Requirements 2 (III)	Score
1	Trip History Data	Min. stored month	3 months	✓	>3 months to 1 year	–	More than 1 year	✓
2	Real-time Tracking	Yes	Available	✓				
3	Map	Source	Closed source	✓	Open source	–	Open source with latest update	✓
4	Geofence	Yes	Radius geofence	✓	Polygon geofence	✓		
5	Geofence Alert	Yes	System alert	✓	Notification (SMS, WhatsApp, Call, etc.)	–	Push Notification	✓
6	Vehicle Status	Yes	Parked, Driving, Idling	✓				
7	Engine ON / OFF Detection	Yes	System alert	✓	Report available	✓		
8	Overspeed Detection	Yes	Available	✓	Report available	–	Configurable	✓
9	Overspeed Alert	Yes	System alert	✓	Notification (SMS, WhatsApp, Call, etc.)	–	Push Notification	✓
10	Built-in / Offline Memory	Min. mins	Last 15 mins	✓	>15 to 60 mins	–	> 60 mins	✓
11	Backup Battery	Min. hours	1 hour	✓	>1 to 24 hours	–	> 24 hours	✓
12	Sim Card Network	Yes	2G	✓	4G fall back 2G	✓	Roaming	–

For any related inquiry, kindly email to:
✉ **cvu@miros.gov.my**

A. BASIC FEATURES (cont'd.)

#	Items	Minimum Requirements (I)		Score	Additional Requirements 1 (II)	Score	Additional Requirements 2 (III)	Score
13	Device Connectivity Support	Yes	4G	✓				
14	Device Multilingual Support	Yes	English	✓	Other language	✓		
15	User Manual	Yes	English	✓	Other language	✓		
16	Warranty Period	Yes	Min. 12 months/ based on subscription	✓	> 12 months	✓		
17	Customer Service	Min. operation hours	Mon – Sun: 0900 – 1900 (Local)	✓	24 hours, 7 days per week	✓	Physical Control Centre Available	–
18	OS Compatibility	Yes	Web	✓	Apps	✓	Mobile View	–
19	Trip Report	Yes	Coordinates, Local time zone, Speed	✓	Driving duration, rest duration	✓		
20	Data Transmission Interval	Yes	1 minute	✓	30 second to <1 minute	–	< 30 seconds	✓
21	Harsh Acceleration	Yes	Available	✓	Report available	–	Configurable	✓
22	Harsh Acceleration Alert	Yes	System alert	✓	Notification (SMS, WhatsApp, Call, etc.)	–	Push Notification	✓
23	Harsh Braking/Crash Detection	Yes	Available	✓	Report available	–	Configurable	✓
24	Harsh Braking/Crash Detection Alert	Yes	System alert	✓	Notification (SMS, WhatsApp, Call, etc.)	–	Push Notification	✓

B. ADDITIONAL FEATURES

#	Items	Minimum Requirements (I)		Score	Additional Requirements 1 (II)	Score	Additional Requirements 2 (III)	Score
1	Tow Detection	Yes	Available	–				
2	Panic/ Emergency Button	Yes	Available	✓	SMS / WhatsApp	–		
3	Apps Multifactor Authentication/ Security	Yes	OTP, Security PIN	–				
4	SOP on Technical Problem	Yes	Solved in 3 business days	✓				
5	Device Service Records	Yes	Installation, Renewal, Diagnosis, & Warranty Records	✓				
6	Driver Identification	Yes	Tracking device comes with driver ID	✓	Report (according to driver)	✓		
7	Certification	Yes	SIRIM & CE	✓				
8	Immobilizer	Yes	Available	–				
9	Tampered Alert	Yes	System alert	✓	Notification (SMS, WhatsApp, Call, etc.)	–	Push Notification	✓

Note:

✓	Yes
–	No
	No requirement

Company : **GSES INTERNATIONAL TECHNOLOGY SOLUTIONS SDN. BHD.**
Report validity : **May 2026 – Apr 2029**
Device name : **Smart 1C-EU**
Package : **Advance GPS with EMS**

2026	★★★★

C. SCORE DISTRIBUTION

A. BASIC FEATURES		B. ADDITIONAL FEATURES		TOTAL SCORE
3.420	+	1.013	=	4.43

D. MARKING EVALUATION

Final Points	Star Rating
4.50 – 5.00	★★★★★
3.75 – 4.49	★★★★
3.00 – 3.74	★★★
2.00 – 2.99	★★
1.25 – 1.99	★

★ Assessment was conducted on 11 May 2026. Assessed and reported by MIROS (AA, MSA).

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PRODUCT OVERVIEW

GSES International Technology Solutions Smart 1C-EU, Advance GPS with EMS

The Smart 1C is a high-performance multifunction vehicle terminal designed for accurate tracking and advanced fleet management. Equipped with high-precision GPS/BD dual-mode positioning and LTE 4G connectivity, it ensures stable communication and fast data transmission, even in challenging operating environments. Its intelligent tracking system supports reporting intervals of 30 seconds or less, while inflection point supplementation delivers smooth and precise route playback.

To ensure operational safety, the Smart 1C integrates a six-axis acceleration sensor capable of detecting risky driving behaviours such as harsh braking, rapid acceleration, sharp cornering, and vehicle rollovers. The device also supports blind-spot data storage for more than seven days, ensuring continuous data retention in areas with weak or unavailable network coverage.

The Smart 1C features comprehensive Engine Management System (EMS) capabilities with full CAN Bus compatibility, including J1939, J1708, and OBD protocols. This enables real-time monitoring of critical vehicle parameters such as fuel consumption, engine RPM, oil pressure, and coolant temperature. In addition, its versatile hardware interface supports external fuel sensors, RS485 digital temperature monitoring, and magnetic strip readers for expanded functionality.

Supported by a centralized web dashboard and mobile applications, the Smart 1C provides operators with powerful remote management tools. Users can monitor real-time diagnostics such as satellite count, GSM signal strength, and voltage levels, while also performing remote configuration, firmware upgrades, and command dispatching wirelessly. Instant alerts for over speeding, idling, harsh driving events, power disconnection, and engine anomalies further enhance fleet safety and vehicle reliability.