Electrical Installation Condition Report

Certificate EICR-2026-00417
Inspected 10 Jun 2026
Engineer J. Smith
Client Mr A Client

Electrical Installation Condition Report

SECTION A: DETAILS OF THE PERSON ORDERING THE REPORT

Name	Mr A Client	Address	1 High Street, Manchester M1 2AB

SECTION B: REASON FOR PRODUCING THIS REPORT

Periodic inspection and testing of the electrical installation to assess its condition against BS 7671, for the purposes of a change of tenancy.

Dates on which the inspection and testing was carried out: 10 Jun 2026

SECTION C: DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier	Mr A Client	Address	1 High Street, Manchester M1 2AB

Description of premises

Residential ☑ Commercial ☐ Industrial ☐ Other ☐ -

Estimated age of wiring system: 15 years

Evidence of additions / alterations? Yes ☑ Not apparent ☐ If yes, estimated age: 3 years

Installation records available? (Regulation 651.1): No

Date of last inspection: Not known

SECTION D: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING (see Regulation 651)

Details of those parts of the installation that have been inspected and tested

The complete single-phase domestic installation supplied from distribution board DB1, including all final circuits serving the property.

Agreed limitations including the reasons (see Regulation 653.2)

Inspection limited to accessible parts; fitted units not removed.

Agreed with: The client

Extent of sampling

100% of accessible accessories; 10% of connections sampled.

Unless specifically agreed between the client and inspector prior to the inspection:
- Cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected.
- No checks for safety alerts, corrective actions or product recalls for electrical equipment forming part of the installation have been made.

An inspection should be made of other electrical equipment housed within an accessible roof space.

Operational limitations including the reasons

None.

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 as amended to 2026.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

Overall assessment of the installation as detailed in Section D, in terms of suitability for continued service: **SATISFACTORY**

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) should be acted on as a matter of urgency.

General condition of the installation (in terms of electrical safety)

The installation is in a generally serviceable condition with a small number of departures from BS 7671 requiring attention, as detailed in Section K.

Any observation classified as 'Improvement recommended' (code C3), or 'Further investigation' (code FI), is advisory and does not affect the overall assessment but should be given due consideration.

Person ordering the report notified of dangerous situation: -

SECTION F: RECOMMENDATION FOR NEXT INSPECTION

Subject to the necessary remedial action being taken, I/We recommend that the installation is further inspected and tested before: 10 Jun 2031

for the following reasons

Maximum 5-year interval for a domestic property, subject to the C3 items below being addressed.

In arriving at the recommended interval, the following have been taken into account: the adequacy of the earthing and bonding; the suitability of the switchgear and controlgear; the type of wiring system and its condition; the extent of wear and tear, damage or other deterioration; and the serviceability of equipment and the presence of warning notices.

SECTION G: DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Inspected and tested by:		**Report authorized for issue by:**	
Name	J. SMITH	Name	K. JONES
Signature	*J. Smith*	Signature	*K. Jones*
For/on behalf of	ACME Electrical Ltd	For/on behalf of	-
Position	Approved Inspector	Position	Qualified Supervisor
Address	ACME House 12 Trade Park Manchester M3 4AB	Address	-
		Enrolment/branch	-
Enrolment/branch	NICEIC / 600417	Date	11 Jun 2026
Date	10 Jun 2026		

SECTION H: SCHEDULE

The schedule(s) listed are part of this document and this report is valid only when they are attached to it:

2	observations.				
18	items in the schedule of inspection.				
1	Schedule(s) of Circuit Details and Schedule(s) of Test Results for boards with a total of	-	three-phase circuits and	6	single-phase circuits.

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements		Number and Type of Live Conductors				Nature of Supply Parameters			Supply Protective Device	
TN-C	N/A	AC	✓	DC	N/A	Nominal voltage, U/U_0 (1)	230 / 230	V	BS (EN)	BS 1361
TN-S	N/A	1-phase, 2-wire	✓	2-wire	N/A	Nominal frequency, f (1)	50	Hz	Type	II
TN-C-S (PME)	✓	2-phase, 3-wire	N/A	3-wire	N/A	Prospective fault current, I_{pf} (2)	1.6	kA	Rated current	100 A
TN-C-S (PNB)	N/A	3-phase, 3-wire	N/A	Other	-	External earth fault loop impedance, Z_e (2)	0.28	Ω	Breaking capacity	16 kA
TT	N/A	3-phase, 4-wire	N/A			(Note: (1) by enquiry (2) by enquiry or by measurement)				
IT	N/A									

Confirmation of supply polarity	YES	Number of supplies	1	Looped supply	☐

Other sources of supply	None.

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing

Distributor's facility	✓
Installation earth electrode	☐

Maximum Demand

Maximum demand (load)	63 ~~kVA~~ / A

Details of Installation Earth Electrode (where applicable)

Type (rod(s), tape etc)	-
Location	-
Electrode resistance/impedance, R_A/Z_e (Ω)	-
Method of measurement	-

Main Protective Conductors

Earthing conductor	Material	Copper	csa (mm²)	16	Connection / continuity verified	PASS	
Main protective bonding conductors	Material	Copper	csa (mm²)	10	Connection / continuity verified	PASS	
To water installation pipes	PASS	To gas installation pipes	N/A	To oil installation pipes	-	To structural steel	-
To lightning protection system	-	To other	-	Specify	-		

PASS: the item has passed. FAIL: the item has failed. LIM: there are limitations that apply to the item. N-C: the item is not continuous. N/A: the item is not available.

Main switch (Isolation device / Switch-fuse / Circuit-breaker / RCD etc.)

Location	Hallway meter cupboard		
BS (EN)	BS EN 60947-3		
Poles	2		
Current rating	100	A	
Voltage rating	230	V	

If overcurrent protective device

Device type	MCCB		
Device rating/setting	100	A	0.4s
Breaking capacity	16	kA	

If RCD main switch

RCD Type	AC	
Rated residual operating current ($I_{\Delta n}$)	-	mA
Rated time delay	-	ms
Measured operating time	-	ms
Breaking capacity	-	kA

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the Extent and Limitations of Inspection and Testing section

No remedial action is required ☐ The following observations are made ☑ (see below):

NOTE: Photographic and/or thermographic images can be attached to the report to support observations made in this Section.

Item No.	**C3 and FI OBSERVATION(S)** Include the relevant schedule reference(s), as appropriate	Location	Classification code
1	No RCD additional protection for socket-outlets likely to supply portable equipment outdoors.	General	C3
2	No circuit identification chart provided at the distribution board.	DB1	C3

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the advisory nature degree of urgency for remedial action. These items do not affect the overall assessment of the report.

C3 – Improvement recommended

FI – Further investigation is advised

INSPECTION SCHEDULE		
OUTCOMES ✓ Acceptable condition **C1 or C2** Unacceptable condition **C3** Improvement recommended **FI** Further investigation **NV** Not verified **LIM** Limitation **N/A** Not applicable		
Item	Description and comment (if any)	Outcome
1.0	**INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)**	-
-	An outcome against an item in this section, other than access to live parts, should not be used to determine the overall outcome.	-
1.1	Distributor/supplier intake equipment Note 1: Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and/or dutyholder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority. Note 2: For this section only, where inadequacies are found, an 'X' should be put against the appropriate item and a comment made in Section K.	-
1.1.1	Service cable	✓
1.1.2	Service head	✓
1.1.3	Earthing arrangement	✓
1.1.4	Meter tails	-
1.1.5	Metering equipment	-
1.1.6	Means of isolation (where present)	-
-	Person ordering work/dutyholder notified	-
1.2	Consumer's means of isolation (where present)	-
1.3	Consumer's meter tails	-
2.0	**PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)**	-
2.1	Presence of adequate arrangements where generator to operate as a switched alternative (551.6)	-
2.2	Dedicated earthing arrangement independent of that of the public supply (551.4.3.2.1)	-
2.3	Presence of adequate arrangements where generator to operate in parallel with the public supply system (551.7)	-
2.4	Correct connection of generator in parallel (551.7.2)	-
2.5	Compatibility of characteristics of means of generation (551.7.3)	-
2.6	Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values (551.7.4)	-
2.7	Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values (551.7.5)	-
2.8	Means to isolate generator from the public supply system (551.7.6)	-
3.0	**EARTHING/BONDING ARRANGEMENTS (411.3; Chap 54)**	-
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	-
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	-
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	-
3.6	Confirmation of main protective bonding conductor sizes (544.1)	✓
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	-
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	-
4.0	**CONSUMER UNIT(S)/DISTRIBUTION BOARD(S)**	-
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	✓
4.2	Security of fixing (134.1.1)	-
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	-
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	-
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	-
4.6	Presence of main linked switch (as required by 462.1.201)	-
4.7	Operation of main switch (functional check) (643.10)	✓
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	-
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	-
4.10	Presence of RCD six-monthly test notice, where required (514.12.2)	-
4.11	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	-

OUTCOMES ✓ Acceptable condition **C1 or C2** Unacceptable condition **C3** Improvement recommended **FI** Further investigation **NV** Not verified **LIM** Limitation **N/A** Not applicable		
Item	Description and comment (if any)	Outcome
4.12	Presence of other required labelling (please specify) (Section 514)	-
4.13	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)	C3
4.14	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	-
4.15	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.5; 522.8.11)	-
4.16	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	-
4.17	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	-
4.18	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	-
4.19	Confirmation of indication that SPD is functional (651.4)	-
4.20	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	-
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	-
4.22	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	-
4.23	Confirmation of indication that AFDD(s) are operational (421.1.7; 532.6; 651.2(e))	-
5.0	**DISTRIBUTION/FINAL CIRCUITS**	-
5.1	Identification of conductors (514.3.1)	✓
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	-
5.3	Condition of insulation of live parts (416.1)	✓
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) · To include the integrity of conduit and trunking systems (metallic and plastic)	-
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	-
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	-
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3; 530.3.201)	-
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)	-
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	-
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	-
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.204)	-
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA: · For all socket-outlets of rating not exceeding 32 A, unless an exception is permitted (411.3.3) · For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) · For cables concealed in walls at a depth of less than 50 mm (522.6.202; Table 52.1) · For cables concealed in walls/partitions containing metal parts regardless of depth (Table 52.1) · Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	-
5.14	Band II cables segregated/separated from Band I cables (528.1)	-
5.15	Cables segregated/separated from communications cabling (528.2)	-
5.16	Cables segregated/separated from non-electrical services (528.3)	-
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526) · Connections soundly made and under no undue strain (526.6) · No basic insulation of a conductor visible outside enclosure (526.8) · Connections of live conductors adequately enclosed (526.5) · Adequately connected point of entry to enclosure (glands, bushes etc.) (522.8.5)	-
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(e))	-
5.19	Suitability of accessories for external influences (512.2)	-
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)	-
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	-
6.0	**LOCATION(S) CONTAINING A BATH OR SHOWER**	-
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	N/A
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	-
6.3	Shaver supply units comply with BS (EN) 61558-2-5 formerly BS 3535 (701.512.3)	-
6.4	Presence of supplementary bonding conductors, where required (701.415.2)	-
6.5	Low voltage (e.g. 230 V) socket-outlets sited at least 2.5 m from zone 1 (701.512.3)	-

OUTCOMES ✓ Acceptable condition C1 or C2 Unacceptable condition C3 Improvement recommended FI Further investigation NV Not verified LIM Limitation N/A Not applicable		
Item	Description and comment (if any)	Outcome
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	-
6.7	Suitability of accessories and controlgear etc, for a particular zone (701.512.3)	-
6.8	Suitability of current-using equipment for particular position within the location (701.55)	-
7.0	**OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS**	-
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)	N/A
8.0	**PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)**	-
8.1	Where the installation includes additional requirements and recommendations relating to Chapter 82, additional inspection items should be added to the checklist.	-

Inspected by:	Name	J. SMITH	Date	10 Jun 2026	Signature	*J. Smith*

SCHEDULE OF CIRCUIT DETAILS

Distribution board/Consumer unit details

DB/CU reference	DB1	Location	Hallway meter cupboard								
Supplied from	Origin	Phases	1	Phase sequence confirmed	N/A	**SPD Type(s)** T1 ☐	T2 ☐	T3 ☐	T1+2 ☐	T2+3 ☐	
Distribution circuit OCPD:	BS (EN)	-		Rating/Setting	- A	Nominal voltage	- V				
RCD:	BS (EN)	-	Type	A	Poles	-	Rating	- A	Rated residual operating current ($I_{\Delta n}$)	- mA	

CIRCUIT DETAILS

Circuit number	Circuit description	Conductor details					Overcurrent protective device						RCD			
		Type of wiring	Reference method	Number of points served	csa Live (mm²)	csa CPC (mm²)	Maximum permitted disconnection time	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Max. permitted Z_s (Ω)	BS (EN)	Type	$I_{\Delta n}$ (mA)	Rating (A)
1	Lighting — ground floor	A	C	8	1.0	1.0	0.4	BS EN 60898	B	6	6	7.28	-	-	-	-
2	Lighting — first floor	A	C	9	1.0	1.0	0.4	BS EN 60898	B	6	6	7.28	-	-	-	-
3	Ring final — kitchen	A	C	6	2.5	1.5	0.4	BS EN 61009	B	32	6	1.37	-	-	30	-
4	Ring final — sockets	A	C	10	2.5	1.5	0.4	BS EN 61009	B	32	6	1.37	-	-	30	-
5	Cooker	A	C	1	6.0	2.5	0.4	BS EN 60898	B	32	6	1.37	-	-	-	-
6	Shower	A	C	1	10.0	4.0	0.4	BS EN 61009	B	45	6	0.97	-	-	30	-

CODES FOR TYPES OF WIRING
-

CODES FOR REFERENCE METHODS
-

MAX PERMITTED Z_s VALUES
-

SCHEDULE OF TEST RESULTS

Distribution board/Consumer unit details

DB/CU reference	DB1	Z_{db}	0.34	Ω I_{pf}	1.6	kA	
Confirmed:	Correct polarity	YES	Phase sequence	N/A			
SPD:	Operational status confirmed	N/A	RCD operating time at $I_{\Delta n}$	27	ms		

Details of test instruments used (serial and/or asset numbers)

Multifunction	-	Continuity	MFT-417
Insulation resistance	MFT-417	Earth fault loop impedance	MFT-417
RCD	MFT-417	Earth electrode resistance	N/A

TEST RESULTS

Circuit number	Continuity (Ω)					Insulation resistance			Polarity	Z_s (Ω)	RCD		AFDD	Remarks
	Ring final circuit			(R1 + R2) or R2		V	(MΩ)							
	r_1 (line)	r_n (neutral)	r_2 (CPC)	$(R_1 + R_2)$	R_2	Test voltage	Live - Live	Live - Earth		Maximum measured	Disconnection time (ms)	Test button operation	Manual test button operation	Include details of circuits, and/or installed equipment vulnerable to damage when testing (continue on additional page(s) if necessary)
1	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-
2	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-
3	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-
4	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-
5	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-
6	0.42	0.42	0.71	1.13	-	500	>299	>299	PASS	0.34	27	PASS	-	-

Signed by name (Capitals)	J. SMITH	Position	Approved Inspector	Date	10 Jun 2026	Signature	*J. Smith*

GUIDANCE FOR RECIPIENTS

This Report is an important and valuable document which should be retained for future reference.

1. The purpose of this Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service at the date of inspection and testing (see Section E). The Report should identify any damage, deterioration, defects, dangerous conditions and/or non-compliances with the requirements of BS 7671, which might give rise to danger (see Section K).
2. This Report is only valid if accompanied by the Schedule(s) of Inspections and the Schedule(s) of Circuit Details and Schedule(s) of Test Results.
3. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
4. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. For items classified in Section K as C1 ('Danger present'), **the safety of those using the installation is at risk**, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section K as C2 ('Potentially dangerous'), **the safety of those using the installation may be at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
9. For items classified in Section K as C3 ('Improvement recommended'), in some cases, remedial work may improve the safety of the installation. However, it should be noted that a C3 recommendation is advisory only and does not affect the overall assessment of the Report.
10. Where further investigation is advised in Section K, this is because the inspection and testing has identified a potential issue for which the inspector is unable to determine a classification code until further investigation has taken place. In such cases it is recommended that further investigations are carried out to obtain the necessary information to allow the inspector to reach a conclusion for the appropriate classification code.
11. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations'.
12. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. **For safety reasons it is important that this instruction is followed.**
13. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions should be followed with respect to test button operation.
14. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.
15. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.