Circuit profile API change

Version: 1.0 · **Date:** Oct 22, 2026 · **Audience:** Partner developers integrating with the REST API

1. What changes and when

On Oct 27, 2026 the circuit profile moves from `circuits[].termination.profile` to `circuits[].profile` in every REST API request and response. There is no transition period: from that date requests in the old shape are rejected and responses only carry the new shape.

> **In short:** move `profile` out of `termination` and onto the circuit, and release that change for the cutover (§4).

2. Before and after

The `profile` object moves up one level, out of `termination` and onto the circuit itself. Its contents do not change.

Aspect	Before	After
Profile location	`circuits[].termination.profile`	`circuits[].profile`
`termination` in requests	carries `profile`, `redundancy` and `routes`	optional; carries only `redundancy` and `routes`
Profile contents	`uuid` in requests; `uuid`, `type`, `name`, `i18n_name` and the rest in responses	unchanged

Before:

```
{
  "circuits": [
    {
      "termination": {
        "profile": { "uuid": "6f1c…" },
        "redundancy": { "primary_circuit_nid": "…" }
      },
      "product": { "uuid": "…" }
    }
  ]
}
```

After:

```
{
  "circuits": [
    {
      "profile": { "uuid": "6f1c…" },
      "termination": {
        "redundancy": { "primary_circuit_nid": "…" }
      },
      "product": { "uuid": "…" }
    }
  ]
}
```

Three rules apply from the cutover:

1. **`profile` is required** when creating a connection, adding a circuit or validating a circuit.
2. **`termination` is now optional** in requests. Leave it out when you set neither `redundancy` nor `routes`.
3. **Existing data is migrated.** Connections and transactions read back in the new shape from the cutover onward.

> **Ignored, not rejected.** A request that still sends `termination.profile` fails with a 422 only where `profile` is required. In a connection PATCH or a price calculation the old field is silently dropped: the profile is not changed, or not priced, and no error is returned.

3. Endpoint-by-endpoint changes

Each subsection lists the endpoints and names that change and what to watch out for. The exact parameters and field names live in our OpenAPI document.

3.1 Affected endpoints

Every endpoint below sends or returns circuits; each one uses `circuits[].profile` from the cutover.

Request changes. These endpoints take `circuits[].profile` in the request body:

- `POST /mixed-broadband/connections/` — `profile` required per circuit; the response is as listed below
- `POST /mixed-broadband/connections/receipt/` — calculate pricing; `profile` optional per circuit
- `POST /mixed-broadband/connections/circuits/validate/` — `profile` required, `termination` optional
- `POST /mixed-broadband/connections/{connection_uuid}/circuits/` — `profile` required
- `POST /mixed-broadband/connections/{connection_uuid}/circuits/receipt/` — `profile` required
- `PATCH /mixed-broadband/connections/{connection_uuid}/` — change the profile with `circuits[].profile`

Response changes only. These endpoints return circuits in the new shape. Their requests do not change:

- `GET /mixed-broadband/connections/`
- `GET /mixed-broadband/connections/{uuid}/`
- `PUT /mixed-broadband/connections/{uuid}/carrier/tags/`
- `PUT /mixed-broadband/connections/{uuid}/linked-end-user/`
- `POST /mixed-broadband/connections/{connection_uuid}/circuits/{circuit_uuid}/termination/authentication/`
- `GET /planned-maintenance/{uuid}/connections/`

> **Same paths.** The profile-only endpoints `change_circuit_profile` and `change_circuit_profile_receipt` keep their paths and request bodies. Only their operationIds change (§3.2).

3.2 Renamed endpoints and operationIds

The two `termination` paths below are removed at the cutover. Clients generated from our OpenAPI document also get new method names for the renamed operationIds.

- **Validate a circuit order:** new path and operationId.
  - Old: `POST /mixed-broadband/connections/circuits/termination/validate/`, operationId `validate_connection_termination_order`
  - New: `POST /mixed-broadband/connections/circuits/validate/`, operationId `validate_connection_circuit_order`
- **Available subnets for a profile:** new path and operationId.
  - Old: `GET /mixed-broadband/connections/circuits/termination/profile/{profile_uuid}/available-subnets/`, operationId `get_available_subnets_for_termination_profile`
  - New: `GET /mixed-broadband/connections/circuits/profile/{profile_uuid}/available-subnets/`, operationId `get_available_subnets_for_circuit_profile`
- **Change a circuit's profile:** same path, new operationId.
  - Path: `PATCH /mixed-broadband/connections/{connection_uuid}/circuits/{circuit_uuid}/profile/`
  - operationId: `change_circuit_termination_profile` → `change_circuit_profile`
- **Price a circuit's profile change:** same path, new operationId.
  - Path: `POST /mixed-broadband/connections/{connection_uuid}/circuits/{circuit_uuid}/profile/receipt/`
  - operationId: `change_circuit_termination_profile_receipt` → `change_circuit_profile_receipt`

> **Body change.** The validate body changes with the path: `profile` is required and `termination` is optional.

```
{
  "organization": { "uuid": "…" },
  "profile": { "uuid": "…" },
  "termination": { "routes": [] }
}
```

3.3 Other renamed names

Code that matches on any of these strings has to switch to the new value at the cutover.

- Connection capability key: `circuits[<uuid>].termination.profile` → `circuits[<uuid>].profile`
- List `query` and `sort` paths on `GET /mixed-broadband/connections/` : `circuits.termination.profile.*` → `circuits.profile.*`. From the cutover, a filter on the old path matches nothing and a sort on it is ignored, without an error.
- Error code (404, unknown profile): `object_not_found.termination_profile` → `object_not_found.circuit_profile`
- Error code (route kept while switching profile): `existing_route_on_new_termination_profile` → `existing_route_on_new_circuit_profile`
- Error parameter in subnet availability errors: `termination_profile_name` → `circuit_profile_name`
- OpenAPI schema: `TerminationProfileProductWithPricingDTO` → `CircuitProfileProductWithPricingDTO`
- OpenAPI schema: `ValidateTerminationOrderRequestDTO` → `ValidateCircuitOrderRequestDTO`

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4. Migration checklist

The old and new shapes cannot be mixed, so release the changes below together, timed for the cutover.

1. **Read the new field.** Read the profile from `circuits[].profile` instead of `circuits[].termination.profile` in every connection and transaction response you parse (§2).
2. **Send the new shape.** Send `profile` on the circuit, not inside `termination`, when you create a connection, add a circuit, calculate a price or patch a connection (§2).
3. **Check PATCH and price calculation calls** in particular: an old-shape body there is accepted without error, but the profile is ignored (§2).
4. **Move to the renamed paths** `circuits/validate/` and `circuits/profile/{profile_uuid}/available-subnets/` (§3.2).
5. **Update string matches** on the connection capability key, error codes and error parameters (§3.3).
6. **Regenerate your client** from our OpenAPI document after the cutover, and follow the renamed schemas and operationIds (§3.2, §3.3).

Field-level details (parameters and response fields) are taken from our OpenAPI document; always consult each endpoint's reference for the authoritative, up-to-date schema.