

# E.164 Support for Platform APIs

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## E.164 Phone Number Support

E.164 is the official format for all international phone numbers that includes a plus sign (+) followed by a country code and phone number.

For example:

- U.S.: +12025550132
- U.K.: +441632960964
- Brazil: +5511991234567

Version 2 of the following Platform APIs now accept and return phone numbers in the standard [E.164 format](#):

- [Acquisition API](#)
- [Person API](#)
- [Subscription List API](#)
- [Event API](#)

The following is a partial API example showing how the E.164 format is displayed.

```
{
  "person_id": "c5235a1-e243-42z7-979c-7f6234k121b60",
  "external_person_id": "542342",
  "mobile_phone": {
    "mdn": "+12025550132",
    "carrier_code": "104"
  },
}
```

## Platform APIs Accept MDNs in E.164 Format

Version 2 of the APIs only accepts MDNs in E.164 format if they include a country code.

MDNs without a country code are considered invalid.

### Subscription Entity Example

```
{
  ...
  "id": 25,
  "mobile_phone": {
    "mdn": "+441632960964",
    "carrier_id": "105",
    "device_uid": "1237533a-12ff-1235-9b8f-b139fbbf7123"
  }
  ...
}
```

## Platform APIs Return MDNs in E.164 Format

MDNs are returned in E.164 format. Phone numbers that were stored using Version 1 of the APIs are assumed to be US/Canada (+1) phone numbers.

### Person Entity Example

```
{
  ...
  "id": 4,
  "mobile_phone": { "mdn": "+12025550132",
                    "carrier_id": "104",
                    "device_uid": "1237533a-12ff-1235-9b8f-b139fbbf7123",
  }
  ...
}
```

## Persons with International MDNs not Returned in Version 1

If you use Version 1 of the Platform APIs, a *CountryNotSupported* error will be returned if you query for a Person with an MDN that does not follow the E.164 format, for example, if it is a U.S. number and you use 2135551234 instead of +12135551234.