

Inventory-Less Retail Model

Buy Now Journey:

/search

BNP fetches catalog of all the inventory less sellers

```
{
  "context":
  {
    "domain": "ONDC:RETINVL",
    "action": "search",
    "country": "IND",
    "city": "std:080",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "transaction_id": "T1",
    "message_id": "M1",
    "timestamp": "2025-01-08T08:00:00.000Z",
    "ttl": "PT30S"
  },
  "message":
  {
    "intent":
    {
      "category":
      {
        "id": "Mobile Phone"
      },
      "fulfillment":
      {
        "type": "Delivery",
        "end":
        {
          "location":
          {
            "gps": "12.9740,77.6134",
            "address":
            {
              "area_code": "560001"
            }
          }
        }
      }
    }
  },
  "payment":
  {
    "@ondc/org/buyer_app_finder_fee_type": "percent",
    "@ondc/org/buyer_app_finder_fee_amount": "2"
  },
  "tags":
  [
    {
      "code": "bap_terms",
      "list":
      [
        {
          "code": "static_terms",
          "value": ""
        },
        {
          "code": "static_terms_new",
          "value": "https://github.com/ONDC-Official/NP-Static-Terms/buyerNP_BNP/1.0/tc.pdf"
        },
        {
          "code": "effective_date",
          "value": "2025-02-01T00:00:00.000Z"
        }
      ]
    }
  ]
}
```

}
}
}
}
}

/on_search

SNPs respond with their catalog (each item is marked with a unique GTIN/EAN/ISBN code)

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "country": "IND",
    "city": "std:080",
    "action": "on_search",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T1",
    "message_id": "M1",
    "timestamp": "2025-01-08T08:00:30.000Z"
  },
  "message": {
    "catalog": {
      "bpp/descriptor": {
        "name": "Seller NP",
        "symbol": "https://snp.com/images/np.png",
        "short_desc": "Seller Marketplace",
        "long_desc": "Seller Marketplace",
        "images": ["https://snp.com/images/np.png"],
        "tags": [
          {
            "code": "bpp_terms",
            "list": [
              {
                "code": "np_type",
                "value": "MSN"
              },
              {
                "code": "accept_bap_terms",
                "value": "Y"
              }
            ]
          }
        ]
      }
    }
  },
  "bpp/providers": [
    {
      "id": "P1",
      "time": {
        "label": "enable",
        "timestamp": "2025-01-08T08:00:30.000Z"
      }
    },
    "fulfillments": [
      {
        "id": "F1",
        "type": "Delivery"
      },
      {
        "id": "F2",
        "type": "Self-Pickup"
      }
    ],
    "payments": [
      {
        "id": "1",
        "type": "ON-ORDER"
      },
      {
        "id": "2",
        "type": "ON-FULFILLMENT"
      },
      {
        "id": "3",
        "type": "PART-PAYMENT",
        "tags": [
          {

```

```
"code": "payment_detail",
"list": [
  {
    "code": "ALLOWED-FULFILLMENTS",
    "value": "F1,F2"
  }
]
},
{
  "id": "4",
  "type": "PART-PAYMENT",
  "tags": [
    {
      "code": "payment_detail",
      "list": [
        {
          "code": "ALLOWED-FULFILLMENTS",
          "value": "F2"
        }
      ]
    }
  ]
}
],
"descriptor": {
  "name": "Store 1"
},
"ttl": "P1D",
"locations": [
  {
    "id": "L1",
    "time": {
      "label": "enable",
      "timestamp": "2025-01-08T07:30:30.000Z",
      "schedule": {
        "holidays": ["2025-01-26", "2025-08-15"]
      }
    }
  },
  "gps": "12.9675,77.7496",
  "address": {
    "area_code": "560076",
    "state": "KA"
  }
}
],
"categories": [
  {
    "id": "V1",
    "descriptor": {
      "name": "iPhone Variants"
    },
    "tags": [
      {
        "code": "type",
        "list": [
          {
            "code": "type",
            "value": "variant_group"
          }
        ]
      },
      {
        "code": "attr",
        "list": [
          {
            "code": "name",
            "value": "item.tags.attribute.colour"
          },
          {
            "code": "seq",
            "value": "1"
          }
        ]
      }
    ]
  }
]
```

```

    },
    {
      "code": "attr",
      "list": [
        {
          "code": "name",
          "value": "item.tags.attribute.size"
        },
        {
          "code": "seq",
          "value": "2"
        }
      ]
    }
  ]
},
"items": [
  {
    "id": "I1",
    "time": {
      "label": "enable",
      "timestamp": "2025-01-08T07:30:00.000Z"
    },
    "parent_item_id": "V1",
    "descriptor": {
      "name": "Apple iPhone 14",
      "code": "3:GTIN#",
      "symbol": "https://snp.com/images/i1.png",
      "short_desc": "Apple iPhone 14",
      "long_desc": "Apple iPhone 14",
      "images": ["https://snp.com/images/i1.png"]
    },
    "quantity": {
      "unitized": {
        "measure": {
          "unit": "unit",
          "value": "1"
        }
      }
    },
    "maximum": {
      "count": "1"
    }
  },
  "price": {
    "currency": "INR",
    "value": "67999.00",
    "maximum_value": "79990.00"
  },
  "category_id": "Mobile Phone",
  "fulfillment_id": "F1",
  "payment_ids": ["1", "3"],
  "location_id": "L1",
  "@ondc/org/returnable": true,
  "@ondc/org/cancellable": true,
  "@ondc/org/return_window": "P7D",
  "@ondc/org/seller_pickup_return": true,
  "@ondc/org/time_to_ship": "PT3H",
  "@ondc/org/contact_details_consumer_care": "Ramesh,ramesh@abc.com,18004254444",
  "@ondc/org/statutory_reqs_packaged_commodities": {
    "manufacturer_or_packer_name": "Foxconn Ltd",
    "manufacturer_or_packer_address": "A-1, Chennai-Bangalore National Highway, Nh-4, Sriperumbudur, Kanchipuram, Tamil Nadu 602105",
    "common_or_generic_name_of_commodity": "Mobile Phone",
    "month_year_of_manufacture_packing_import": "12/2024"
  },
  "tags": [
    {
      "code": "origin",
      "list": [
        {
          "code": "country",
          "value": "IND"
        }
      ]
    }
  ]
}

```

```
},
{
  "code": "attribute",
  "list": [
    {
      "code": "brand",
      "value": "iPhone"
    },
    {
      "code": "model",
      "value": "iPhone 14"
    },
    {
      "code": "model_year",
      "value": "2021"
    },
    {
      "code": "colour",
      "value": "#FAF7F2"
    },
    {
      "code": "colour_name",
      "value": "Starlight"
    },
    {
      "code": "ram",
      "value": "128"
    },
    {
      "code": "ram_unit",
      "value": "GB"
    },
    {
      "code": "rom",
      "value": "128"
    },
    {
      "code": "rom_unit",
      "value": "GB"
    },
    {
      "code": "storage",
      "value": "256"
    },
    {
      "code": "storage_unit",
      "value": "GB"
    },
    {
      "code": "screen_size",
      "value": "6.1"
    },
    {
      "code": "primary_camera",
      "value": "48"
    },
    {
      "code": "secondary_camera",
      "value": "24"
    },
    {
      "code": "cpu",
      "value": "A15"
    },
    {
      "code": "gpu",
      "value": "A16 bionic"
    },
    {
      "code": "battery_capacity",
      "value": "3279"
    },
    {
      "code": "os_type",
      "value": "iOS"
    }
  ]
}
```

```
    },
    {
      "code": "os_version",
      "value": "16.0"
    },
    {
      "code": "connectivity",
      "value": "4G"
    },
    {
      "code": "form_factor",
      "value": "touchscreen"
    },
    {
      "code": "weight",
      "value": "172"
    },
    {
      "code": "length",
      "value": "14.67"
    },
    {
      "code": "breadth",
      "value": "7.15"
    },
    {
      "code": "height",
      "value": "0.78"
    }
  ]
}
],
{
  "id": "I2",
  "time": {
    "label": "enable",
    "timestamp": "2025-01-08T07:30:00.000Z"
  },
  "parent_item_id": "V1",
  "descriptor": {
    "name": "Apple iPhone 14",
    "code": "3:GTIN#",
    "symbol": "https://snp.com/images/i2.png",
    "short_desc": "Apple iPhone 14",
    "long_desc": "Apple iPhone 14",
    "images": ["https://snp.com/images/i2.png"]
  },
  "quantity": {
    "unitized": {
      "measure": {
        "unit": "unit",
        "value": "1"
      }
    }
  },
  "maximum": {
    "count": "2"
  }
},
"price": {
  "currency": "INR",
  "value": "97999.00",
  "maximum_value": "109990.00"
},
"category_id": "Mobile Phone",
"fulfillment_id": "F1",
"payment_ids": ["1", "3"],
"location_id": "L1",
"@ondc/org/returnable": true,
"@ondc/org/cancellable": true,
"@ondc/org/return_window": "P7D",
"@ondc/org/seller_pickup_return": true,
"@ondc/org/time_to_ship": "PT3H",
"@ondc/org/contact_details_consumer_care": "Ramesh,ramesh@abc.com,18004254444",
"@ondc/org/statutory_reqs_packaged_commodities": {
```

```
"manufacturer_or_packer_name": "Foxconn Ltd",
"manufacturer_or_packer_address": "A-1, Chennai-Bangalore National Highway, Nh-4, Sriperumbudur, Kanchipuram,
Tamil Nadu 602105",
"common_or_generic_name_of_commodity": "Mobile Phone",
"month_year_of_manufacture_packing_import": "12/2024"
```

```
},
"tags": [
  {
    "code": "origin",
    "list": [
      {
        "code": "country",
        "value": "IND"
      }
    ]
  },
  {
    "code": "attribute",
    "list": [
      {
        "code": "brand",
        "value": "iPhone"
      },
      {
        "code": "model",
        "value": "iPhone 14"
      },
      {
        "code": "model_year",
        "value": "2021"
      },
      {
        "code": "colour",
        "value": "#FAF7F2"
      },
      {
        "code": "colour_name",
        "value": "Starlight"
      },
      {
        "code": "ram",
        "value": "128"
      },
      {
        "code": "ram_unit",
        "value": "GB"
      },
      {
        "code": "rom",
        "value": "128"
      },
      {
        "code": "rom_unit",
        "value": "GB"
      },
      {
        "code": "storage",
        "value": "512"
      },
      {
        "code": "storage_unit",
        "value": "GB"
      },
      {
        "code": "screen_size",
        "value": "6.1"
      },
      {
        "code": "primary_camera",
        "value": "48"
      },
      {
        "code": "secondary_camera",
        "value": "24"
      }
    ]
  }
],
```

```
{
  "code": "cpu",
  "value": "A15"
},
{
  "code": "gpu",
  "value": "A16 bionic"
},
{
  "code": "battery_capacity",
  "value": "3279"
},
{
  "code": "os_type",
  "value": "iOS"
},
{
  "code": "os_version",
  "value": "16.0"
},
{
  "code": "connectivity",
  "value": "4G"
},
{
  "code": "form_factor",
  "value": "touchscreen"
},
{
  "code": "weight",
  "value": "172"
},
{
  "code": "length",
  "value": "14.67"
},
{
  "code": "breadth",
  "value": "7.15"
},
{
  "code": "height",
  "value": "0.78"
}
]
},
"tags": [
  {
    "code": "timing",
    "list": [
      {
        "code": "type",
        "value": "All"
      },
      {
        "code": "location",
        "value": "L1"
      },
      {
        "code": "day_from",
        "value": "1"
      },
      {
        "code": "day_to",
        "value": "7"
      },
      {
        "code": "time_from",
        "value": "0000"
      },
      {
        "code": "time_to",
```

```
    "value": "2359"
  }
]
},
{
  "code": "serviceability",
  "list": [
    {
      "code": "location",
      "value": "L1"
    },
    {
      "code": "category",
      "value": "Mobile Phone"
    },
    {
      "code": "type",
      "value": "13"
    },
    {
      "code": "unit",
      "value": "geojson"
    },
    {
      "code": "val",
      "value": "{\"type\": \"FeatureCollection\", \"features\": [{\"type\": \"Feature\", \"properties\": {}, \"geometry\": {\"coordinates\": [[[[[77.4366, 14.6230], [75.5973, 13.2507], [76.8359, 11.9329], [78.7709, 11.3290]]], [[75.6948, 15.9928], [74.8319, 14.8515], [77.4006, 15.1229], [75.6948, 15.9928]]]], \"type\": \"MultiPolygon\"}}]}"
    },
    {
      "code": "day_from",
      "value": "1"
    },
    {
      "code": "day_to",
      "value": "7"
    },
    {
      "code": "time_from",
      "value": "0000"
    },
    {
      "code": "time_to",
      "value": "2359"
    }
  ]
}
]
}
}
}
```

/init

BNP initiates the buy now intent with all the relevant SNPs (matching product unique id like GTIN) with distinct transaction_id and message_id. The catalog received in /on_search consisted of all the details of SNPs and their associated sellers.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:00.000Z",
    "ttl": "PT1H"
  },
  "message": {
    "order": {
      "type": "ILBN",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "descriptor": {
          "code": "3:GTIN#"
        },
        "quantity": {
          "count": 1
        },
        "price": {
          "estimated_value": "67999"
        }
      }
    ],
    "fulfillments": [
      {
        "type": "Delivery",
        "end": {
          "location": {
            "gps": "12.4535,77.9283",
            "address": {
              "area_code": "560037"
            }
          }
        }
      }
    ]
  }
}
```

/on_init

All the SNPs provide their available fulfillment and payment options.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:30.000Z"
  },
  "message": {
    "order": {
      "type": "ILBN",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "descriptor": {
          "code": "3:GTIN#"
        },
        "quantity": {
          "count": 1
        }
      }
    ],
    "fulfillments": [
      {
        "id": "F1",
        "type": "Delivery",
        "tracking": false,
        "end": {
          "location": {
            "gps": "12.4535,77.9283",
            "address": {
              "area_code": "560037"
            }
          }
        }
      },
      {
        "id": "F2",
        "type": "Self-Pickup"
      }
    ],
    "quote": {
      "price": {
        "currency": "INR",
        "value": "68108.00"
      }
    },
    "breakup": [
      {
        "@ondc/org/item_id": "I1",
        "@ondc/org/item_quantity": {
          "count": 1
        },
        "title": "Apple iPhone 14",
        "@ondc/org/title_type": "item",
        "price": {
          "currency": "INR",

```

```
"value": "67999.00"
},
"item": {
  "price": {
    "currency": "INR",
    "value": "67999.00"
  }
}
},
{
  "@ondc/org/item_id": "I1",
  "title": "Tax",
  "@ondc/org/title_type": "tax",
  "price": {
    "currency": "INR",
    "value": "0.00"
  }
},
{
  "@ondc/org/item_id": "F1",
  "title": "Delivery charges",
  "@ondc/org/title_type": "delivery",
  "price": {
    "currency": "INR",
    "value": "50.00"
  }
},
{
  "@ondc/org/item_id": "F1",
  "title": "Tax",
  "@ondc/org/title_type": "tax",
  "price": {
    "currency": "INR",
    "value": "9.00"
  }
},
"item": {
  "tags": [
    {
      "code": "quote",
      "list": [
        {
          "code": "type",
          "value": "fulfillment"
        }
      ]
    }
  ]
}
},
{
  "@ondc/org/item_id": "F1",
  "title": "Packing charges",
  "@ondc/org/title_type": "packing",
  "price": {
    "currency": "INR",
    "value": "25.00"
  }
},
{
  "@ondc/org/item_id": "F2",
  "title": "Delivery charges",
  "@ondc/org/title_type": "delivery",
  "price": {
    "currency": "INR",
    "value": "00.00"
  }
},
{
  "@ondc/org/item_id": "F2",
  "title": "Packing charges",
  "@ondc/org/title_type": "packing",
  "price": {
    "currency": "INR",
    "value": "25.00"
  }
}
}
```

```

    },
    {
      "@ondc/org/item_id": "I1",
      "title": "Discount",
      "@ondc/org/title_type": "discount",
      "price": {
        "currency": "INR",
        "value": "-10.00"
      }
    }
  ],
  "ttl": "P1D",
  "payments": [
    {
      "id": "1",
      "type": "ON-ORDER",
      "status": "NOT-PAID",
      "collected_by": "BAP"
    },
    {
      "id": "3",
      "type": "PART-PAYMENT",
      "tags": [
        {
          "descriptor": {
            "code": "LINKED-PAYMENTS"
          },
          "list": [
            {
              "descriptor": {
                "code": "pymnt-part-1"
              },
              "value": "1"
            },
            {
              "descriptor": {
                "code": "pymnt-part-2"
              },
              "value": "2"
            }
          ]
        }
      ]
    }
  ]
},
{
  "id": "pymnt-part-1",
  "type": "ON-ORDER",
  "status": "NOT-PAID",
  "collected_by": "BAP",
  "tags": [
    {
      "descriptor": {
        "code": "ADV-DEPOSIT"
      }
    }
  ],
  "params": {
    "amount": "2000.00",
    "currency": "INR"
  }
},
{
  "id": "pymnt-part-2",
  "type": "ON-FULFILLMENT",
  "status": "NOT-PAID",

```

```
"collected_by": "BPP",
"tags": [
  {
    "descriptor": {
      "code": "FINAL-PAYMENT"
    }
  }
]
}
}
```

/confirm

BNP selects the type of fulfillment and confirms the order with one of the SNPs

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "confirm",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M4",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:30:00.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order": {
      "type": "ILBN",
      "id": "O1",
      "state": "Created",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "fulfillment_id": "F2",
        "quantity": {
          "count": 1
        }
      }
    ]
  },
  "billing": {
    "name": "ONDC buyer",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    },
    "phone": "9886098860",
    "email": "nobody@nomail.com",
    "created_at": "2025-01-08T09:00:00.000Z",
    "updated_at": "2025-01-08T09:00:00.000Z"
  },
  "fulfillments": [
    {
      "id": "F2",
      "type": "Self-Pickup",
      "tracking": false,
      "end": {
        "person": {
          "name": "name_of_person"
        }
      },
      "contact": {
        "email": "nobody@nomail.com",
        "phone": "9886098860"
      },
      "location": {
        "gps": "12.4535,77.9283",
        "address": {

```

```
    "name": "my house or door or floor #",
    "building": "my building name or house #",
    "locality": "my street name",
    "city": "Bengaluru",
    "state": "Karnataka",
    "country": "IND",
    "area_code": "560037"
  }
}
},
],
"payments": [
  {
    "id": "3",
    "type": "PART-PAYMENT",
    "tags": [
      {
        "descriptor": {
          "code": "LINKED-PAYMENTS"
        }
      },
      {
        "list": [
          {
            "descriptor": {
              "code": "pymnt-part-1"
            },
            "value": "1"
          },
          {
            "descriptor": {
              "code": "pymnt-part-2"
            },
            "value": "2"
          }
        ]
      }
    ]
  },
  {
    "id": "pymnt-part-1",
    "type": "ON-ORDER",
    "status": "PAID",
    "collected_by": "BAP",
    "tags": [
      {
        "descriptor": {
          "code": "ADV-DEPOSIT"
        }
      }
    ]
  },
  {
    "params": {
      "amount": "2000.00",
      "currency": "INR",
      "transaction_id": "payment-utr-1234"
    }
  },
  {
    "id": "pymnt-part-2",
    "type": "ON-FULFILLMENT",
    "status": "NOT-PAID",
    "collected_by": "BPP",
    "tags": [
      {
        "descriptor": {
          "code": "FINAL-PAYMENT"
        }
      }
    ]
  }
],
"tags": [
  {
    "code": "bap_terms",
    "list": [
      {

```

```
"code": "static_terms",
"value": "https://github.com/ONDC-Official/NP-Static-Terms/buyerNP_BNP/1.0/tc.pdf"
},
{
"code": "tax_number",
"value": "gst_number_of_buyerNP"
}
]
},
"created_at": "2025-01-08T09:30:00.000Z",
"updated_at": "2025-01-08T09:30:00.000Z"
}
}
```

/on_confirm

SNP confirms the order and provides the final quote value based on the type of fulfillment. Order is created by SNP and seller might be allocated

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_confirm",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M4",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:30:10.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order": {
      "id": "O1",
      "type": "ILBN",
      "state": "Accepted",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "fulfillment_id": "F2",
        "quantity": {
          "count": 1
        }
      }
    ]
  },
  "billing": {
    "name": "ONDC buyer",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    },
    "phone": "9886098860",
    "email": "nobody@nomail.com",
    "created_at": "2025-01-08T09:00:00.000Z",
    "updated_at": "2025-01-08T09:00:00.000Z"
  },
  "fulfillments": [
    {
      "id": "F2",
      "type": "Self-Pickup",
      "@ondc/org/TAT": "PT2H",
      "start": {
        "location": {
          "id": "L1",
          "descriptor": {
            "name": "ABC Store"
          }
        },
        "gps": "12.9563,77.6368",
        "address": {
          "locality": "Jayanagar",
          "city": "Bengaluru",

```

```
"area_code": "560076",
"state": "KA"
},
"contact": {
"phone": "9886098860",
"email": "nobody@nomail.com"
},
"state": {
"descriptor": {
"code": "Pending"
}
},
"end": {
"person": {
"name": "name_of_person"
},
"contact": {
"email": "nobody@nomail.com",
"phone": "9886098860"
},
"location": {
"gps": "12.4535,77.9283",
"address": {
"name": "my house or door or floor #",
"building": "my building name or house #",
"locality": "my street name",
"city": "Bengaluru",
"state": "Karnataka",
"country": "IND",
"area_code": "560037"
}
}
},
"quote": {
"price": {
"currency": "INR",
"value": "68014.00"
},
"breakup": [
{
"@ondc/org/item_id": "I1",
"@ondc/org/item_quantity": {
"count": 1
},
"title": "Apple iPhone 14",
"@ondc/org/title_type": "item",
"price": {
"currency": "INR",
"value": "67999.00"
},
"item": {
"price": {
"currency": "INR",
"value": "67999.00"
}
}
},
{
"@ondc/org/item_id": "I1",
"title": "Tax",
"@ondc/org/title_type": "tax",
"price": {
"currency": "INR",
"value": "0.00"
}
},
{
"@ondc/org/item_id": "F2",
"title": "Delivery charges",
"@ondc/org/title_type": "delivery",
"price": {
```

```

    "currency": "INR",
    "value": "00.00"
  }
},
{
  "@ondc/org/item_id": "F2",
  "title": "Packing charges",
  "@ondc/org/title_type": "packing",
  "price": {
    "currency": "INR",
    "value": "25.00"
  }
},
{
  "@ondc/org/item_id": "I1",
  "title": "Discount",
  "@ondc/org/title_type": "discount",
  "price": {
    "currency": "INR",
    "value": "-10.00"
  }
}
],
"ttl": "P1D"
},
"payments": [
  {
    "id": "3",
    "type": "PART-PAYMENT",
    "tags": [
      {
        "descriptor": {
          "code": "LINKED-PAYMENTS"
        }
      },
      {
        "list": [
          {
            "descriptor": {
              "code": "pymnt-part-1"
            },
            "value": "1"
          },
          {
            "descriptor": {
              "code": "pymnt-part-2"
            },
            "value": "2"
          }
        ]
      }
    ]
  }
],
{
  "id": "pymnt-part-1",
  "type": "ON-ORDER",
  "status": "PAID",
  "collected_by": "BAP",
  "tags": [
    {
      "descriptor": {
        "code": "ADV-DEPOSIT"
      }
    }
  ],
  "params": {
    "amount": "2000.00",
    "currency": "INR",
    "transaction_id": "payment-utr-1234"
  }
},
{
  "id": "pymnt-part-2",
  "type": "ON-FULFILLMENT",
  "status": "NOT-PAID",
  "collected_by": "BPP",
  "tags": [

```

```
{
  "descriptor": {
    "code": "FINAL-PAYMENT"
  }
},
"params": {
  "amount": "66014.00",
  "currency": "INR"
}
],
"tags": [
  {
    "code": "bpp_terms",
    "list": [
      {
        "code": "np_type",
        "value": "MSN"
      },
      {
        "code": "tax_number",
        "value": "gst_number_of_sellerNP"
      },
      {
        "code": "provider_tax_number",
        "value": "PAN_number_of_provider"
      },
      {
        "code": "accept_bap_terms",
        "value": "Y"
      }
    ]
  },
  {
    "code": "bap_terms",
    "list": [
      {
        "code": "static_terms",
        "value": "https://github.com/ONDC-Official/NP-Static-Terms/buyerNP_BNP/1.0/tc.pdf"
      },
      {
        "code": "tax_number",
        "value": "gst_number_of_buyerNP"
      }
    ]
  }
],
"created_at": "2025-01-08T09:30:00.000Z",
"updated_at": "2025-01-08T09:30:10.000Z"
}
```

/on_update

If the seller is assigned later, the SNP can trigger /on_update to inform the BNP of the seller details.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_update",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M12",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T10:00:30.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order": {
      "id": "O1",
      "type": "ILBN",
      "state": "Accepted",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "fulfillment_id": "F2",
        "quantity": {
          "count": 1
        }
      }
    ]
  },
  "billing": {
    "name": "ONDC buyer",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    },
    "email": "nobody@nomail.com",
    "phone": "9886098860",
    "created_at": "2025-01-08T09:00:00.000Z",
    "updated_at": "2025-01-08T09:00:00.000Z"
  },
  "fulfillments": [
    {
      "id": "F2",
      "type": "Self-Pickup",
      "@ondc/org/TAT": "PT2H",
      "state": {
        "descriptor": {
          "code": "Pending"
        }
      }
    }
  ],
  "start": {
    "location": {
      "descriptor": {
        "name": "ABC Store"
      }
    },
    "gps": "12.9675,77.7496",
    "address": {

```

```
"locality": "Jayanagar",
"city": "Bengaluru",
"area_code": "560076",
"state": "KA"
},
"contact": {
"phone": "9886098860",
"email": "nobody@nomail.com"
},
"@ondc/org/provider_name": "LSP or Provider name",
"tracking": false,
"end": {
"location": {
"gps": "12.453544,77.928379",
"address": {
"name": "my house or door or floor #",
"building": "my building name or house #",
"locality": "my street name",
"city": "Bengaluru",
"state": "Karnataka",
"country": "IND",
"area_code": "560037"
}
},
"time": {
"range": {
"start": "2025-01-08T11:00:00.000Z",
"end": "2025-01-08T11:30:00.000Z"
}
},
"person": {
"name": "name_of_person"
},
"contact": {
"phone": "9886098860"
}
},
"tags": [
{
"code": "routing",
"list": [
{
"code": "type",
"value": "P2P"
}
]
},
{
"code": "tracking",
"list": [
{
"code": "gps_enabled",
"value": "yes"
},
{
"code": "url_enabled",
"value": "no"
},
{
"code": "url",
"value": "https://snp.com/ondc/tracking_url"
}
]
}
]
},
"quote": {
"price": {
"currency": "INR",
"value": "68014.00"
}
},
"breakup": [
```

```
{
  "@ondc/org/item_id": "I1",
  "@ondc/org/item_quantity": {
    "count": 1
  },
  "title": "Apple iPhone 14",
  "@ondc/org/title_type": "item",
  "price": {
    "currency": "INR",
    "value": "67999.00"
  },
  "item": {
    "price": {
      "currency": "INR",
      "value": "67999.00"
    }
  }
},
{
  "@ondc/org/item_id": "I1",
  "title": "Tax",
  "@ondc/org/title_type": "tax",
  "price": {
    "currency": "INR",
    "value": "0.00"
  }
},
{
  "@ondc/org/item_id": "F2",
  "title": "Delivery charges",
  "@ondc/org/title_type": "delivery",
  "price": {
    "currency": "INR",
    "value": "00.00"
  }
},
{
  "@ondc/org/item_id": "F2",
  "title": "Packing charges",
  "@ondc/org/title_type": "packing",
  "price": {
    "currency": "INR",
    "value": "25.00"
  }
},
{
  "@ondc/org/item_id": "I1",
  "title": "Discount",
  "@ondc/org/title_type": "discount",
  "price": {
    "currency": "INR",
    "value": "-10.00"
  }
}
],
"ttl": "P1D"
},
"payments": [
  {
    "id": "3",
    "type": "PART-PAYMENT",
    "tags": [
      {
        "descriptor": {
          "code": "LINKED-PAYMENTS"
        }
      },
      {
        "descriptor": {
          "code": "pymnt-part-1"
        },
        "value": "1"
      }
    ],
    {
      "descriptor": {
```

```
        "code": "pymnt-part-2"
      },
      "value": "2"
    }
  ]
}
],
},
{
  "id": "pymnt-part-1",
  "type": "ON-ORDER",
  "status": "PAID",
  "collected_by": "BAP",
  "tags": [
    {
      "descriptor": {
        "code": "ADV-DEPOSIT"
      }
    }
  ],
  "params": {
    "amount": "2000.00",
    "currency": "INR",
    "transaction_id": "payment-utr-1234"
  }
},
{
  "id": "pymnt-part-2",
  "type": "ON-FULFILLMENT",
  "status": "NOT-PAID",
  "collected_by": "BPP",
  "tags": [
    {
      "descriptor": {
        "code": "FINAL-PAYMENT"
      }
    }
  ],
  "params": {
    "amount": "66014.00",
    "currency": "INR"
  }
}
],
"created_at": "2025-01-08T09:30:00.000Z",
"updated_at": "2025-01-08T10:00:30.000Z"
}
}
```

/on_status

SNP provides status updates to the BNP.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_status",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M12",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T10:00:30.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order": {
      "id": "O1",
      "type": "ILBN",
      "state": "Completed",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "fulfillment_id": "F2",
        "quantity": {
          "count": 1
        }
      }
    ]
  },
  "billing": {
    "name": "ONDC buyer",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    },
    "email": "nobody@nomail.com",
    "phone": "9886098860",
    "created_at": "2025-01-08T09:00:00.000Z",
    "updated_at": "2025-01-08T09:00:00.000Z"
  },
  "fulfillments": [
    {
      "id": "F2",
      "@ondc/org/provider_name": "LSP or Provider name",
      "type": "Self-Pickup",
      "tracking": false,
      "@ondc/org/TAT": "PT2H",
      "state": {
        "descriptor": {
          "code": "Order-picked-up"
        }
      }
    },
    {
      "start": {
        "location": {
          "descriptor": {
            "name": "ABC Store"
          }
        }
      }
    }
  ]
}
```

```
"gps": "12.9675,77.7496",
"address": {
  "locality": "Jayanagar",
  "city": "Bengaluru",
  "area_code": "560076",
  "state": "KA"
},
"end": {
  "location": {
    "gps": "12.453544,77.928379",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    }
  },
  "time": {
    "timestamp": "2025-01-08T10:30:00.000Z"
  },
  "person": {
    "name": "name_of_person"
  },
  "contact": {
    "phone": "9886098860"
  }
},
"agent": {
  "name": "agent_name",
  "phone": "9886098860"
},
"tags": [
  {
    "code": "routing",
    "list": [
      {
        "code": "type",
        "value": "P2P"
      }
    ]
  },
  {
    "code": "tracking",
    "list": [
      {
        "code": "gps_enabled",
        "value": "yes"
      },
      {
        "code": "url_enabled",
        "value": "no"
      },
      {
        "code": "url",
        "value": "https://snp.com/ondc/tracking_url"
      }
    ]
  },
  {
    "code": "fulfillment_proof",
    "list": [
      {

```

```

        "code": "state",
        "value": "Order-picked-up"
    },
    {
        "code": "type",
        "value": "webp2"
    },
    {
        "code": "url",
        "value": "public link to webp"
    }
]
}
],
"quote": {
    "price": {
        "currency": "INR",
        "value": "68014.00"
    },
    "breakup": [
        {
            "@ondc/org/item_id": "I1",
            "@ondc/org/item_quantity": {
                "count": 1
            },
            "title": "Apple iPhone 14",
            "@ondc/org/title_type": "item",
            "price": {
                "currency": "INR",
                "value": "67999.00"
            },
            "item": {
                "price": {
                    "currency": "INR",
                    "value": "67999.00"
                }
            }
        },
        {
            "@ondc/org/item_id": "I1",
            "title": "Tax",
            "@ondc/org/title_type": "tax",
            "price": {
                "currency": "INR",
                "value": "0.00"
            }
        },
        {
            "@ondc/org/item_id": "F2",
            "title": "Delivery charges",
            "@ondc/org/title_type": "delivery",
            "price": {
                "currency": "INR",
                "value": "00.00"
            }
        },
        {
            "@ondc/org/item_id": "F2",
            "title": "Packing charges",
            "@ondc/org/title_type": "packing",
            "price": {
                "currency": "INR",
                "value": "25.00"
            }
        },
        {
            "@ondc/org/item_id": "I1",

```

¹ enum for order state - "Order-picked-up" (pickup), "Order-delivered" (delivery);

² enum - "webp", "png", "jpeg", "pdf";

```

    "title": "Discount",
    "@ondc/org/title_type": "discount",
    "price": {
      "currency": "INR",
      "value": "-10.00"
    }
  }
],
"ttl": "P1D"
},
"payments": [
  {
    "id": "3",
    "type": "PART-PAYMENT",
    "tags": [
      {
        "descriptor": {
          "code": "LINKED-PAYMENTS"
        }
      },
      {
        "list": [
          {
            "descriptor": {
              "code": "pymnt-part-1"
            },
            "value": "1"
          },
          {
            "descriptor": {
              "code": "pymnt-part-2"
            },
            "value": "2"
          }
        ]
      }
    ]
  }
],
{
  "id": "pymnt-part-1",
  "type": "ON-ORDER",
  "status": "PAID",
  "collected_by": "BAP",
  "tags": [
    {
      "descriptor": {
        "code": "ADV-DEPOSIT"
      }
    }
  ]
},
"params": {
  "amount": "2000.00",
  "currency": "INR",
  "transaction_id": "payment-utr-1234"
}
},
{
  "id": "pymnt-part-2",
  "type": "ON-FULFILLMENT",
  "status": "PAID",
  "collected_by": "BPP",
  "tags": [
    {
      "descriptor": {
        "code": "FINAL-PAYMENT"
      }
    }
  ],
  "params": {
    "amount": "66014.00",
    "currency": "INR",
    "transaction_id": "payment-utr-5678"
  }
}
],
"documents": [
  {

```

```
    "url": "https://invoice_url",
    "label": "Invoice"
  }
],
"created_at": "2025-01-08T09:30:00.000Z",
"updated_at": "2025-01-08T10:00:30.000Z"
}
}
```

/cancel

Buyer cancels the order using appropriate reason code

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "country": "IND",
    "city": "std:080",
    "action": "cancel",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M10",
    "timestamp": "2025-01-08T11:00:00.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order_id": "O1",
    "type": "ILBN",
    "cancellation_reason_id": "006"
  }
}
```

/on_cancel

SNP accepts the cancellation and responds with the updated quote

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "country": "IND",
    "city": "std:080",
    "action": "on_cancel",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M10",
    "timestamp": "2025-01-08T11:00:30.000Z",
    "ttl": "PT30S"
  },
  "message": {
    "order": {
      "id": "O1",
      "type": "ILBN",
      "state": "Cancelled",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "fulfillment_id": "F2",
        "quantity": {
          "count": 0
        }
      },
      {
        "id": "I1",
        "fulfillment_id": "C1",
        "quantity": {
          "count": 1
        }
      }
    ]
  },
  "billing": {
    "name": "ONDC buyer",
    "address": {
      "name": "my house or door or floor #",
      "building": "my building name or house #",
      "locality": "my street name",
      "city": "Bengaluru",
      "state": "Karnataka",
      "country": "IND",
      "area_code": "560037"
    },
    "email": "nobody@nomail.com",
    "phone": "9886098860",
    "created_at": "2025-01-08T09:00:00.000Z",
    "updated_at": "2025-01-08T09:00:00.000Z"
  },
  "cancellation": {
    "cancelled_by": "bnp.com",
    "reason": {
      "id": "006"
    }
  },
  "fulfillments": [
    {
      "id": "F2",

```

```
"state": {
  "descriptor": {
    "code": "Cancelled"
  }
},
"type": "Self-Pickup",
"@ondc/org/TAT": "PT2H",
"start": {
  "location": {
    "descriptor": {
      "name": "ABC Store"
    },
    "gps": "12.9563,77.6368",
    "address": {
      "locality": "Jayanagar",
      "city": "Bengaluru",
      "area_code": "560076",
      "state": "KA"
    }
  },
  "contact": {
    "phone": "9886098860",
    "email": "nobody@nomail.com"
  }
},
"tags": [
  {
    "code": "cancel_request",
    "list": [
      {
        "code": "reason_id",
        "value": "006"
      },
      {
        "code": "initiated_by",
        "value": "bnp.com"
      }
    ]
  },
  {
    "code": "igm_request",
    "list": [
      {
        "code": "id",
        "value": "Issue1"
      }
    ]
  },
  {
    "code": "precancel_state",
    "list": [
      {
        "code": "fulfillment_state",
        "value": "Packed"
      },
      {
        "code": "updated_at",
        "value": "2025-01-08T10:45:00.000Z"
      }
    ]
  }
],
{
  "id": "C1",
  "type": "Cancel",
  "state": {
    "descriptor": {
      "code": "Cancelled"
    }
  }
},
"quote": {
  "price": {
```

```
"currency": "INR",
"value": "15.00"
},
"breakup": [
  {
    "@ondc/org/item_id": "I1",
    "@ondc/org/item_quantity": {
      "count": 0
    },
    "title": "Apple iPhone 14",
    "@ondc/org/title_type": "item",
    "price": {
      "currency": "INR",
      "value": "0.00"
    },
    "item": {
      "price": {
        "currency": "INR",
        "value": "67999.00"
      }
    }
  },
  {
    "@ondc/org/item_id": "I1",
    "title": "Tax",
    "@ondc/org/title_type": "tax",
    "price": {
      "currency": "INR",
      "value": "0.00"
    }
  },
  {
    "@ondc/org/item_id": "F2",
    "title": "Delivery charges",
    "@ondc/org/title_type": "delivery",
    "price": {
      "currency": "INR",
      "value": "00.00"
    }
  },
  {
    "@ondc/org/item_id": "F2",
    "title": "Packing charges",
    "@ondc/org/title_type": "packing",
    "price": {
      "currency": "INR",
      "value": "25.00"
    }
  },
  {
    "@ondc/org/item_id": "I1",
    "title": "Discount",
    "@ondc/org/title_type": "discount",
    "price": {
      "currency": "INR",
      "value": "-10.00"
    }
  }
],
"ttl": "P1D"
},
"payments": [
  {
    "id": "3",
    "type": "PART-PAYMENT",
    "tags": [
      {
        "descriptor": {
          "code": "LINKED-PAYMENTS"
        },
        "list": [
          {
            "descriptor": {
              "code": "pymnt-part-1"
            }
          }
        ]
      }
    ]
  }
]
```

```
    "value": "1"
  },
  {
    "descriptor": {
      "code": "pymnt-part-2"
    },
    "value": "2"
  }
]
}
},
{
  "id": "pymnt-part-1",
  "type": "ON-ORDER",
  "status": "PAID",
  "collected_by": "BAP",
  "tags": [
    {
      "descriptor": {
        "code": "ADV-DEPOSIT"
      }
    }
  ],
  "params": {
    "amount": "2000.00",
    "currency": "INR",
    "transaction_id": "payment-utr-1234"
  }
},
{
  "id": "pymnt-part-2",
  "type": "ON-FULFILLMENT",
  "status": "NOT-PAID",
  "collected_by": "BPP",
  "tags": [
    {
      "descriptor": {
        "code": "FINAL-PAYMENT"
      }
    }
  ],
  "params": {
    "amount": "66014.00",
    "currency": "INR"
  }
},
],
"created_at": "2025-01-08T09:30:00.000Z",
"updated_at": "2025-01-08T11:00:30.000Z"
}
}
```

Find me the Product (Item not available in the catalog)

If the item is not available in the catalog, buyers can search by uploading an image or providing a description. The rest of the transaction remains the same as in the Buy Now journey.

/search

BNP initiates an item specific search request if the cached catalogs don't have the required item. Item image/GTIN/description could be provided to find the product. SNP responds with the filtered catalog in /on_search.

```
{
  "context": {
    "action": "search",
    "ttl": "PT2H"
    ...
  },
  "message": {
    "intent": {
      "item": {
        "descriptor": {
          "name": "white sneakers",
          "code": "3:GTIN#",
          "images": [
            "https://sneaker-image.bnp.com"
          ]
        }
      }
    },
    "fulfillment": {
      "type": "Delivery",
      "end": {
        "location": {
          "gps": "12.9740,77.6134",
          "address": {
            "area_code": "560001"
          }
        }
      }
    }
  },
  "payment": {
    "@ondc/org/buyer_app_finder_fee_type": "percent",
    "@ondc/org/buyer_app_finder_fee_amount": "3.54"
  },
  "tags": [
    {
      "code": "bap_terms",
      "list": [
        {
          "code": "static_terms",
          "value": ""
        },
        {
          "code": "static_terms_new",
          "value": "https://github.com/ONDC-Official/NP-Static-Terms/buyerNP_BNP/1.0/tc.pdf"
        },
        {
          "code": "effective_date",
          "value": "2025-02-01T00:00:00.000Z"
        }
      ]
    }
  ]
}
```

/init

If the item is present in the catalog, BNP directly initiates the cart with order intent as ILFP with all the relevant SNPs. SNPs inform their sellers and respond back with the available fulfillment and payment options.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:00.000Z",
    "ttl": "PT2H"
  },
  "message": {
    "order": {
      "type": "ILFP",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "quantity": {
          "count": 1
        }
      }
    ],
    "fulfillments": [
      {
        "id": "F1",
        "type": "Delivery",
        "end": {
          "location": {
            "gps": "12.4535,77.9283",
            "address": {
              "area_code": "560037"
            }
          }
        }
      }
    ]
  }
}
```

Find Best Price

/init

BNP initiates the best price intent with all the relevant SNPs, using distinct transaction_id and message_id values. Each SNP responds with its best price as part of the quote breakup, along with the available fulfillment and payment options.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:00.000Z",
    "ttl": "PT2H"
  },
  "message": {
    "order": {
      "type": "ILBP",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      }
    },
    "items": [
      {
        "id": "I1",
        "descriptor": {
          "code": "3:GTIN#"
        },
        "quantity": {
          "count": 1
        }
      }
    ],
    "fulfillments": [...]
  }
}
```

/init (FYI with the best price)

BNP collects all quotations from the various seller apps and determines the best price after comparing the available options.

BNP may then notify all SNPs of the lowest price and request updated quotations from them. SNP may choose to respond with the new quotation or respond back with the same quote breakup.

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "init",
    "bpp_id": "snp2.com",
    "bpp_uri": "https://snp2.com/ondc",
    ...
  },
  "message": {
    "order": {
      "type": "ILBP",
      "provider": {
        "id": "provider-123",
        "locations": [
          {
            "id": "location-123"
          }
        ]
      },
    },
    "items": [
      {
        "id": "item-123",
        "fulfillment_id": "F1",
        "quantity": { "count": 1 },
        "tags": [
          {
            "code": "bidding",
            "list": [
              {
                "code": "lowest_bid",
                "value": "67700"
              },
              {
                "code": "round",
                "value": "1"
              }
            ]
          }
        ]
      }
    ]
  }
}
```

/on_init (response with the updated quote)

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_update",
    "bpp_id": "snp2.com",
    "bpp_uri": "https://snp2.com/ondc",
    ...
  },
  "message": {
    "order": {
      "provider": {
        "id": "provider-123",
        "locations": [
          {
            "id": "location-123"
          }
        ]
      },
      "items": [
        {
          "id": "item-123",
          "quantity": { "count": 1 }
        }
      ],
      "quote": {
        "price": {
          "currency": "INR",
          "value": "67500"
        },
        "breakup": [
          {
            "@ondc/org/title_type": "item",
            "price": { "currency": "INR", "value": "67500" },
            "item": {
              ...
              "tags": [
                {
                  "code": "bidding",
                  "list": [
                    {
                      "code": "round",
                      "value": "1"
                    }
                  ]
                }
              ]
            }
          }
        ]
      },
      "fulfillments": [...],
      "payments": [...]
    }
  }
}
```

The buyer places the order, and the SNP provides status updates based on the allocated seller and the defined TAT.

Offer (discount)

```
{
  "context":
  {
    "action": "on_search",
    "core_version": "1.2.5",
    ..
  },
  "message":
  {
    "catalog":
    {
      ..
      "bpp/providers":
      [
        {
          "id": "P1",
          ..
          "items":
          [
            {
              "id": "I1",
              ..
            },
            {
              "id": "I2",
              ..
            },
            {
              "id": "I3",
              ..
            }
          ]
        },
        ..
      ],
      "offers":
      [
        {
          "id": "discp60",
          "descriptor":
          {
            "code": "discount",
            "images":
            [
              "https://snp.com/images/offer1-banner.webp"
            ]
          },
          "location_ids":
          [
            "L1"
          ],
          "category_ids":
          [
            ..
          ],
          "fulfillment_ids":
          [
            ..
          ],
          "payment_ids":
          [
            ..
          ],
          "item_ids":
          [
            "I1"
          ],
          "time":
          {
            "label": "valid",
            "range":
            {
              "start": "2025-01-01T16:00:00.000Z",
              "end": "2025-01-01T23:00:00.000Z"
            }
          }
        },
        ..
      ],
    }
  }
}
```

```
"tags":
[
  {
    "code": "qualifier",
    "list":
    [
      {
        "code": "min_value",
        "value": "159.00"
      }
    ]
  },
  {
    "code": "benefit",
    "list":
    [
      {
        "code": "value_type",
        "value": "percent"
      },
      {
        "code": "value",
        "value": "-60.00"
      },
      {
        "code": "value_cap",
        "value": "-120.00"
      }
    ]
  },
  {
    "code": "meta",
    "list":
    [
      {
        "code": "additive",
        "value": "yes"
      },
      {
        "code": "auto",
        "value": "no"
      }
    ]
  }
],
{
  "id": "flat150",
  "descriptor":
  {
    "code": "discount",
    "images":
    [
      "https://snp.com/images/offer2-banner.webp"
    ]
  },
  "location_ids":
  [
    "L1"
  ],
  "item_ids":
  [
    "I1"
  ],
  "time":
  {
    "label": "valid",
    "range":
    {
      "start": "2025-01-01T16:00:00.000Z",
      "end": "2025-01-01T23:00:00.000Z"
    }
  }
},
"tags":
[
```

```

    {
      "code": "qualifier",
      "list": [
        {
          "code": "min_value",
          "value": "499.00"
        }
      ]
    },
    {
      "code": "benefit",
      "list": [
        {
          "code": "value_type",
          "value": "amount"
        },
        {
          "code": "value",
          "value": "-150.00"
        }
      ]
    },
    {
      "code": "meta",
      "list": [
        {
          "code": "additive",
          "value": "yes"
        },
        {
          "code": "auto",
          "value": "yes"
        }
      ]
    }
  ],
  ...
}

```

Apply offer

```

{
  "context": {
    {
      "action": "init",
      "core_version": "1.2.5",
      ...
    },
    "message": {
      "order": {
        {
          ...
          "offers": [
            {
              "id": "discp60",
            }
          ],
          ...
        }
      }
    }
  }
}

```

```

{
  "action": "on_init",
  "core_version": "1.2.5",
  ..
},
"message":
{
  "order":
  {
    ..
    "quote":
    {
      ..
      "breakup":
      [
        ..
        {
          "@ondc/org/item_id": "flat150",
          "title": "Flat ₹150 off on ₹499 minimum cart value",
          "@ondc/org/title_type": "offer",
          "price":
          {
            "currency": "INR",
            "value": "-150.00"
          },
          "item":
          {
            "tags":
            [
              {
                "code": "quote",
                "list":
                [
                  {
                    "code": "type",
                    "value": "order"
                  }
                ]
              },
              {
                "code": "offer",
                "list":
                [
                  {
                    "code": "type",
                    "value": "discount"
                  },
                  {
                    "code": "additive",
                    "value": "yes"
                  },
                  {
                    "code": "auto",
                    "value": "yes"
                  }
                ]
              }
            ]
          }
        }
      ],
      ..
    },
    {
      "@ondc/org/item_id": "discp60",
      "title": "₹120 off on minimum cart value of ₹159",
      "@ondc/org/title_type": "offer",
      "price":
      {
        "currency": "INR",
        "value": "-120.00"
      },
      "item":
      {
        "tags":
        [
          {
            "code": "quote",

```



```

{
  "id": "freebie1",
  "descriptor":
  {
    "code": "freebie",
    "images3":
    [
      "https://snp.com/images/offer3-banner.png"
    ]
  },
  "location_ids":
  [
    "L1"
  ],
  "category_ids":
  [
    ""
  ],
  "item_ids":
  [
    "I1"
  ],
  "time":
  {
    "label": "valid",
    "range":
    {
      "start": "2025-01-01T16:00:00.000Z",
      "end": "2025-01-01T23:00:00.000Z"
    }
  },
  "tags":
  [
    {
      "code": "qualifier",
      "list":
      [
        {
          "code": "min_value",
          "value": "598.00"
        }
      ]
    },
    {
      "code": "benefit",
      "list":
      [
        {
          "code": "item_count",
          "value": "1"
        },
        {
          "code": "item_id",
          "value": "I4"
        }
      ]
    }
  ],
  {
    "code": "meta",
    "list":
    [
      {
        "code": "additive",
        "value": "no"
      },
      {
        "code": "auto",
        "value": "yes"
      }
    ]
  }
]
}

```

³ optional

```
1,  
  }  
  ]  
}  
}
```

Apply offer

```
{  
  "context":  
  {  
    "action": "on_init",  
    "core_version": "1.2.5",  
    ..  
  },  
  "message":  
  {  
    "order":  
    {  
      ..  
      "quote":  
      {  
        "price":  
        {  
          ..  
        },  
        "breakup":  
        [  
          {  
            ..  
          },  
          {  
            "@ondc/org/item_id": "freebie1",  
            "@ondc/org/item_quantity":  
            {  
              "count": 1  
            },  
            "title": "Free item of ₹200 on minimum cart value of ₹598",  
            "@ondc/org/title_type": "offer",  
            "price":  
            {  
              "currency": "INR",  
              "value": "0.00"  
            },  
            "item":  
            {  
              "tags":  
              [  
                {  
                  "code": "quote",  
                  "list":  
                  [  
                    {  
                      "code": "type",  
                      "value": "order"  
                    }  
                  ]  
                },  
                {  
                  "code": "offer",  
                  "list":  
                  [  
                    {  
                      "code": "type",  
                      "value": "freebie"  
                    },  
                    {  
                      "code": "auto",  
                      "value": "yes"  
                    },  
                    {  
                      "code": "additive",  
                      "value": "no"  
                    }  
                  ]  
                }  
              ]  
            }  
          }  
        ]  
      }  
    }  
  }  
}
```



```
..
},
"message":
{
  "catalog":
  {
    ..
    "bpp/providers":
    [
      {
        "id": "P1",
        ..
        "items":
        [
          {
            "id": "I1",
            ..
          },
          {
            "id": "I2",
            ..
          },
          {
            "id": "I3",
            ..
          }
        ],
        ..
      },
      ..
    ],
    ..
  },
  "offers":
  [
    {
      "id": "delivery1",
      "descriptor":
      {
        "code": "delivery",
        "images":
        [
          "https://snp.com/images/offer1-banner.webp"
        ]
      },
      "location_ids":
      [
        "L1"
      ],
      "category_ids":
      [
        ..
      ],
      "item_ids":
      [
        "I1"
      ],
      "time":
      {
        "label": "valid",
        "range":
        {
          "start": "2025-01-01T16:00:00.000Z",
          "end": "2025-01-01T23:00:00.000Z"
        }
      },
      "tags":
      [
        {
          "code": "qualifier",
          "list":
          [
            {
              "code": "min_value",
              "value": "299.00"
            }
          ]
        },
        ..
      ],
      ..
    },
    {
      "code": "benefit",
      "list":
      [
        ..
      ],
      ..
    }
  ],
  ..
}
```



```
"descriptor":
{
  "code":"financing",
  "images":
  [
    "https://snp.com/images/offer2-banner.webp"
  ]
},
"location_ids":
[
  "L1"
],
"category_ids":
[
  ""
],
"item_ids":
[
  "I1"
],
"time":
{
  "label":"valid",
  "range":
  {
    "start":"2025-01-01T16:00:00.000Z",
    "end":"2025-01-01T23:00:00.000Z"
  }
},
"tags":
[
  {
    "code":"meta",
    "list":
    [
      {
        "code":"additive",
        "value":"yes"
      },
      {
        "code":"auto",
        "value":"yes"
      }
    ]
  }
],
},
},
}
```

Offer (EMI)

EMI offer is optional with all the available emi options on the item(s). The SNP provides a redirection url along with the offer description to check the eligibility of the offer.

/on_search

```
{
  "offers": [
    {
      "id": "abc_emi",
      "descriptor": {
        "code": "emi",
        "name": "EMI options available"
      },
      "item_ids": ["I1", "I2"],
      "time": {
        "label": "valid",
        "range": {
          "start": "2025-01-01T00:00:00Z",
          "end": "2025-12-31T23:59:59Z"
        }
      },
      "tags": [
        {
          "code": "benefit",
          "list": [
            {
              "code": "tenure_options",
              "value": "3,6,9"
            },
            {
              "code": "interest_rates",
              "value": "0,12,14"
            },
            {
              "code": "monthly_installments",
              "value": "22666.00,12693.00,8613.00"
            },
            { "code": "total_payable", "value": "67999,76158,77517" },
            {
              "code": "eligibility_check_url",
              "value": "https://snp.com/emi-check"
            }
          ]
        }
      ],
      "code": "meta",
      "list": [
        { "code": "auto", "value": "no" },
        { "code": "additive", "value": "no" }
      ]
    }
  ]
}
```

/on_init

SNP sends link to avail EMI offer

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:30.000Z"
  },
  "message": {
    "order": {
      "type": "ILBN",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      },
      "items": [
        {
          "id": "I1",
          "descriptor": {
            "code": "3:GTIN#"
          },
          "quantity": {
            "count": 1
          }
        }
      ],
      "fulfillments": [
        {
          "id": "F1",
          "type": "Delivery",
          "tracking": false,
          "end": {
            "location": {
              "gps": "12.4535,77.9283",
              "address": {
                "area_code": "560037"
              }
            }
          }
        }
      ],
      "quote": {
        "price": {
          "currency": "INR",
          "value": "67999.00"
        }
      },
      "breakup": [
        {
          "@ondc/org/item_id": "I1",
          "@ondc/org/item_quantity": {
            "count": 1
          }
        }
      ]
    }
  }
}
```

```
},
"title": "Apple iPhone 14",
"@ondc/org/title_type": "item",
"price": {
  "currency": "INR",
  "value": "67999.00"
},
"item": {
  "price": {
    "currency": "INR",
    "value": "67999.00"
  }
}
},
{
"@ondc/org/item_id": "abc_emi",
"title": "EMI options available",
"@ondc/org/title_type": "offer",
"price": {
  "currency": "INR",
  "value": "0.00"
},
"item": {
  "tags": [
    {
      "code": "quote",
      "list": [{"code": "type", "value": "order" }]
    },
    {
      "code": "offer",
      "list": [
        {"code": "type", "value": "emi" },
        {"code": "auto", "value": "no" },
        {"code": "additive", "value": "no" }
      ]
    }
  ]
}
}
],
"ttl": "P1D"
},
"payments": [
{
  "id": "1",
  "type": "ON-ORDER",
  "url": "https://snp.com/avail-emi",
  "status": "NOT-PAID",
  "collected_by": "BPP"
}
]
}
}
```

on_init (unsolicited)

SNP informs BNP regarding the payment status as per the selected EMI offer

```
{
  "context": {
    "domain": "ONDC:RETINVL",
    "action": "on_init",
    "core_version": "1.2.5",
    "bap_id": "bnp.com",
    "bap_uri": "https://bnp.com/ondc",
    "bpp_id": "snp.com",
    "bpp_uri": "https://snp.com/ondc",
    "transaction_id": "T2",
    "message_id": "M3#",
    "city": "std:080",
    "country": "IND",
    "timestamp": "2025-01-08T09:00:30.000Z"
  },
  "message": {
    "order": {
      "type": "ILBN",
      "provider": {
        "id": "P1",
        "locations": [
          {
            "id": "L1"
          }
        ]
      },
      "items": [
        {
          "id": "I1",
          "descriptor": {
            "code": "3:GTIN#"
          },
          "quantity": {
            "count": 1
          }
        }
      ],
      "fulfillments": [
        {
          "id": "F1",
          "type": "Delivery",
          "tracking": false,
          "end": {
            "location": {
              "gps": "12.4535,77.9283",
              "address": {
                "area_code": "560037"
              }
            }
          }
        }
      ],
      "quote": {
        "price": {
          "currency": "INR",
          "value": "67999.00"
        }
      },
      "breakup": [
        {
          "@ondc/org/item_id": "I1",
          "@ondc/org/item_quantity": {
            "count": 1
          }
        }
      ]
    }
  }
}
```

```
},
"title": "Apple iPhone 14",
"@ondc/org/title_type": "item",
"price": {
  "currency": "INR",
  "value": "67999.00"
},
"item": {
  "price": {
    "currency": "INR",
    "value": "67999.00"
  }
}
},
{
"@ondc/org/item_id": "abc_emi",
"title": "EMI options available",
"@ondc/org/title_type": "offer",
"price": {
  "currency": "INR",
  "value": "0.00"
},
"item": {
  "tags": [
    {
      "code": "quote",
      "list": [{"code": "type", "value": "order" }]
    },
    {
      "code": "offer",
      "list": [
        {"code": "type", "value": "emi" },
        {"code": "auto", "value": "no" },
        {"code": "additive", "value": "no" }
      ]
    },
    {
      "code": "finance_txn",
      "list": [
        {
          "code": "loan_completed",
          "value": "yes"
        },
        {
          "code": "down_payment",
          "value": "1000.00"
        },
        {
          "code": "loan_amount",
          "value": "9000.00"
        },
        {
          "code": "timestamp",
          "value": "2025-01-08T09:30:00.000Z"
        }
      ]
    }
  ]
}
]
},
"ttl": "P1D"
},
"payments": [
  {
    "id": "1",
```

```
"type": "ON-ORDER",
"url": "https://snp.com/avail-emi",
"status": "PAID",
"collected_by": "BPP",
"params": {
  "currency": "INR",
  "transaction_id": "3937",
  "amount": ".."
},

"tags": [
  {
    "code": "bpp_collect",
    "list": [
      {
        "code": "success",
        "value": "Y"
      },
      {
        "code": "error",
        "value": ".."
      }
    ]
  }
]
}
}
}
}
}
```

Serviceability Construct

Radial

```
{
  "bpp/providers": [
    {
      "id": "18275-ONDC-1",
      "locations": [
        {
          "id": "abc-store-location-id-1",
          "gps": "12.967555,77.749666",
          "address": {
            "area_code": "560076",
            "state": "KA"
          }
        }
      ]
    },
    {
      "tags": [
        {
          "code": "serviceability",
          "list": [
            {
              "code": "location",
              "value": "abc-store-location-id-1"
            },
            {
              "code": "category",
              "value": "Mobile Phone"
            },
            {
              "code": "type",
              "value": "10"
            },
            {
              "code": "val",
              "value": "5"
            },
            {
              "code": "unit",
              "value": "km"
            }
          ]
        }
      ]
    },
    {
      "code": "serviceability",
      "list": [
        {
          "code": "location",
          "value": "abc-store-location-id-1"
        },
        {
          "code": "category",
          "value": "Laptop"
        },
        {
          "code": "type",
          "value": "10"
        },
        {
          "code": "val",
          "value": "3"
        }
      ]
    }
  ]
}
```

```
    },
    {
      "code": "unit",
      "value": "km"
    }
  ]
}
]
}
]
}
```

Pincode

```
{
  "bpp/providers": [
    {
      "id": "18275-ONDC-1",
      "locations": [
        {
          "id": "abc-store-location-id-1",
          "gps": "12.967555,77.749666",
          "address": {
            "area_code": "560076",
            "state": "KA"
          }
        }
      ],
      "tags": [
        {
          "code": "serviceability",
          "list": [
            {
              "code": "location",
              "value": "abc-store-location-id-1"
            },
            {
              "code": "category",
              "value": "Mobile Phone"
            },
            {
              "code": "type",
              "value": "11"
            },
            {
              "code": "val",
              "value": "560001-560076,560083"
            },
            {
              "code": "unit",
              "value": "pincode"
            }
          ]
        }
      ]
    }
  ]
}
```

Pan-India

```
{
  "bpp/providers": [
    {
      "id": "18275-ONDC-1",
      "locations": [
        {
          "id": "abc-store-location-id-1",
          "gps": "12.967555,77.749666",
          "address": {
            "area_code": "560076",
            "state": "KA"
          }
        }
      ],
      "tags": [
        {
          "code": "serviceability",
          "list": [
            {
              "code": "location",
              "value": "abc-store-location-id-1"
            },
            {
              "code": "category",
              "value": "Mobile Phone"
            },
            {
              "code": "type",
              "value": "12"
            },
            {
              "code": "val",
              "value": "IND"
            },
            {
              "code": "unit",
              "value": "country"
            }
          ]
        }
      ]
    }
  ]
}
```

Polygon/Multi-Polygon

```
{
  "bpp/providers": [
    {
      "id": "18275-ONDC-1",
      "locations": [
        {
          "id": "abc-store-location-id-1",
          "gps": "12.967555,77.749666",
          "address": {
            "area_code": "560076",
            "state": "KA"
          }
        }
      ]
    }
  ]
}
```

```

],
"tags": [
  {
    "code": "serviceability",
    "list": [
      {
        "code": "location",
        "value": "abc-store-location-id-1"
      },
      {
        "code": "category",
        "value": "Mobile Phone"
      },
      {
        "code": "type",
        "value": "13"
      },
      {
        "code": "unit",
        "value": "geojson"
      },
      {
        "code": "val",
        "value": "{\"type\": \"FeatureCollection\", \"features\": [{\"type\": \"Feature\", \"properties\": {}, \"geometry\": {\"coordinates\": [[[77.1755, 28.6759], [77.1287, 28.6009], [77.4469, 28.5453], [77.1755, 28.6759]]], \"type\": \"Polygon\"}}]}"
      }
    ]
  },
  {
    "code": "serviceability",
    "list": [
      {
        "code": "location",
        "value": "abc-store-location-id-1"
      },
      {
        "code": "category",
        "value": "Mobile Phone"
      },
      {
        "code": "type",
        "value": "13"
      },
      {
        "code": "unit",
        "value": "geojson"
      },
      {
        "code": "val",
        "value": "{\"type\": \"FeatureCollection\", \"features\": [{\"type\": \"Feature\", \"properties\": {}, \"geometry\": {\"coordinates\": [[[77.4366, 14.6230], [75.5973, 13.2507], [76.8359, 11.9329], [78.7709, 11.3290]]], [[75.6948, 15.9928], [74.8319, 14.8515], [77.4006, 15.1229], [75.6948, 15.9928]]], \"type\": \"MultiPolygon\"}}]}"
      }
    ]
  }
]
}
]
}
}

```