

ONDC - Metro Rail

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I. Overview

ONDC Travel, Transport & Mobility aims to build a nationwide multi-modal network that provides seamless experiences, supports growth & innovation by,

- bringing together a diverse set of Travel, Transport & Mobility players who can engage with the open network on their terms
- fostering collaboration, sharing & new models
- facilitating responsive policy by bringing onboard decision-making authorities

The purpose of this document is to detail the MVP of Metro Rail (public transit) on ONDC, which will enable ticketing options and trip pass (static) purchases on Open Network. This open network shall make interoperability between multiple transit modes and is destined to expand further in terms of participants, increasing the category of services, and adding diverse use cases in the future.

This document is intended to be the requirements specification for any interested party to join the ONDC network (QR ticketing + trip pass) as a participant under their chosen role(s). The current focus of this document is listed below:

Booking Mode	Travel Media	Description	MVP Scope?
Metro	QR Ticket	• Purchase of single and return journey tickets • Max 6 tickets allowed per user	Yes
	Monthly Pass	• Monthly Pass QR (static trip pass) for the fixed origin and destination routes with a fixed number of rides for the assigned validity period	Yes

II. Participants - needs & role in the network

Participant	Role	Network context
Buyer (consumer)	Consumer of the service who is looking to get from point A to point B	Consumer
Buyer App	A buyer uses the buyer app to book metro rail tickets or trip pass in respective locations. A buyer app might choose to have a buyer's finder fee	Network node for the consumer
Seller app	The seller app will provide fares for travel requests and provide confirmed tickets for the journey	Network node for the service provider

III. Onboarding onto ONDC

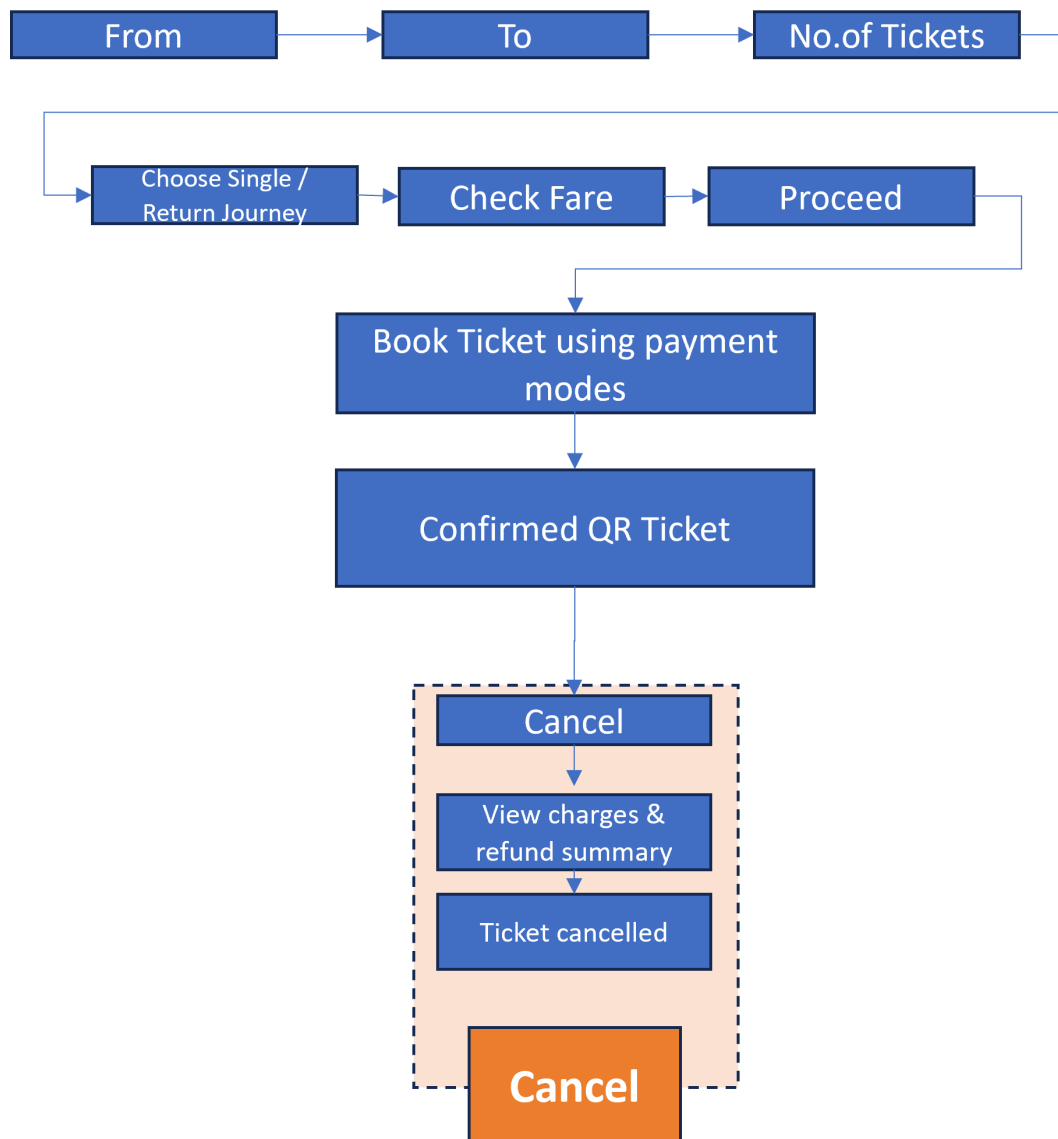
The Buyer App and Seller App who wants to onboard on ONDC should register the entity as a Network Participant. The details of the onboarding are documented [here](#) and the tech documentation can be found [here](#).

IV. MVP User Journey & Scope

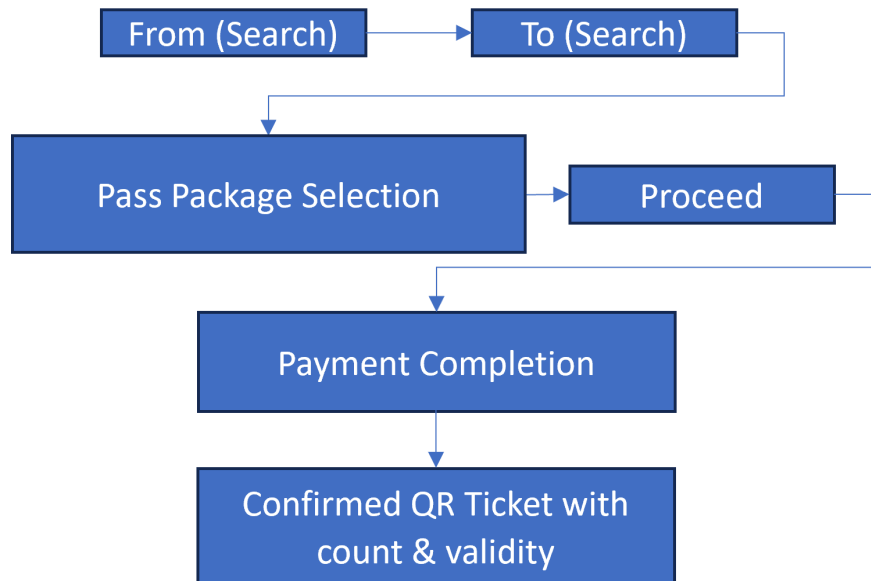
MVP scope:

- QR Ticketing:
 - Search for the metro from requested from & to locations
 - Select the number of tickets (max up to 6 tickets/user)
 - Able to choose between a single journey or a combined return journey
 - Payment transaction to purchase the ticket/s
 - Generate QR ticket
 - Cancellation of the ticket, if allowed
- Trip Pass Purchase – Fixed QR for validity period:
 - Search to and fro metro locations
 - Select the trip package
 - Payment completion

A typical user journey that is envisioned in the context of ONDC Metro Rail Ticketing:



A typical user journey for Trip Pass purchase:



V. Other Flows

1. Cancellation

Cancellation in case of QR Ticket: The user may cancel the order before the usage of the QR ticket. Once used at the entry gate of Metro Station, the cancellation will be denied.

Cancellation in case of Trip Pass: Cancellation is not allowed once purchased

2. Payment Settlement

Buyer's Finder Fee: The buyer application shall deduct the Buyer's finder fee as agreed mutually from the ticketing fare and settle the balance payment amount to the seller within agreed timelines.

- The buyer app will raise an invoice to the seller app for the Buyer's Finder Fee.

3. Logging

- Enable Logging of transactions as per [Logging Infra for Beckn-Enabled Networks](#)