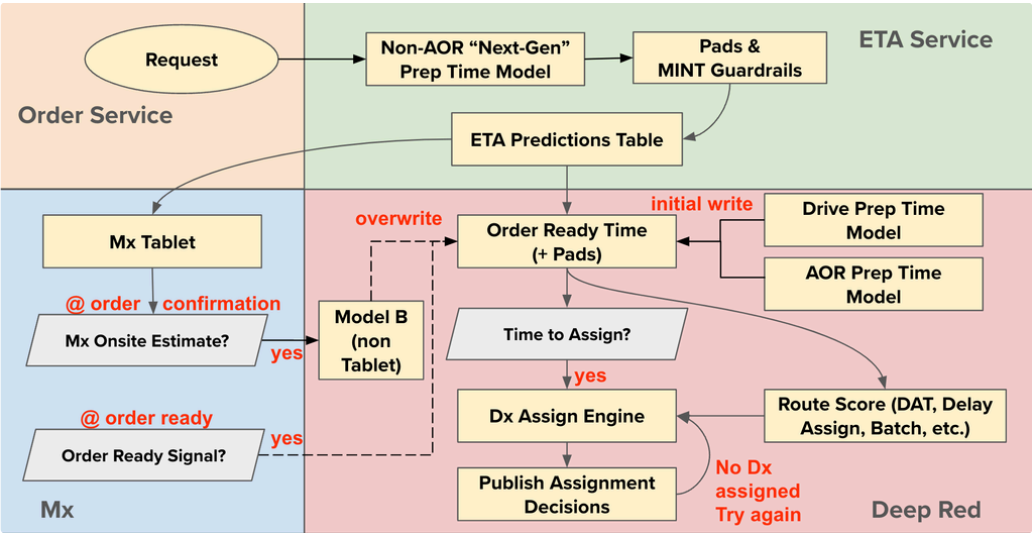


# Delivery Prep Time Attributes - Data Guide

## Overview

`edw.logistics.delivery_preptime_attributes` is a table designed to streamline prep time data that is scattered across multiple tables and simplify analysis in this complex field. This table consolidates critical prep time information across various sources into one centralized location, enabling more efficient queries and analyses. It records the lifecycle of prep time estimates and how it's consumed by downstream services, specifically:

- **Pre-send to Mx:** Raw model prep time and padded prep time model estimates
- **Mx-reaction:** Mx onsite prep time and DeepRed Model B estimates
- **In Delivery:** Estimation sources used by DeepRed and the final Order Ready Time



## Key Fields

Metric	Definition	Query
Prep Model Estimates	Estimate from Prep time model, before and after MINT guardrail / padding	<pre>1 SELECT 2 date_trunc('week', 3 active_date) as week 4 , 5 avg(raw_model_prediction) as 6 avg_raw_model_pred 7 , 8 avg(estimated_prep_duration) as 9 avg_padded_model_pred 10 FROM 11 edw.logistics.delivery_preptime_attributes dpa</pre>
Order Ready Estimation Source	What source DeepRed used when deciding the final order ready time (in the first	<pre>1 SELECT 2 delivery_id 3 , 4 dpa.dr_food_ready_estim</pre>

	assignment run and last assignment run)	<pre> 4      ation_source       ,       dpa.first_dr_food_ready_         _estimation_source 5 FROM       edw.logistics.delivery_         preptime_attributes dpa </pre>
Mx Onsite and Model B	What is the onsite estimated prep time Mx sent and what is DeepRed's model B output (before applying +5/-5 guardrail around original Mx onsite)	<pre> 1 SELECT 2 delivery_id 3 ,       dpa.onsite_estimated_pr         ep_time*60 as         onsite_prep_time 4 ,       dpa.model_b_prep_durati         on 5 FROM       edw.logistics.delivery_         preptime_attributes dpa </pre>
Order Ready Time in DeepRed	The order ready time consumed by DeepRed to make assignment decisions (in first assignment run and last assignment run)	<pre> 1 SELECT 2 delivery_id 3 ,       dpa.dr_food_ready_time 4 ,       dpa.first_dr_food_ready_         _time 5 FROM       edw.logistics.delivery_         preptime_attributes dpa </pre>
Trustworthy Store Order Ready Signal	Trustworthy Store Order Ready Signal following definition <a href="#">here</a>	<pre> 1 SELECT 2 delivery_id 3 , case when       HAS_TRUSTWORTHY_ORs = 1       then       dpa.store_order_ready_t         ime end as       trustworthy_or_s 4 FROM       edw.logistics.delivery_         preptime_attributes dpa </pre>

## Table Documentation

Column Name	Column Type	Description
DELIVERY_ID	NUMBER(38,0)	Unique delivery identifier
MODEL_B_PREP_DURATION	NUMBER(38,0)	Model B estimated preparation duration
DR_FOOD_READY_TIME	TIMESTAMP_NTZ(9)	Timestamp when food is ready

DR_FOOD_READY_ESTIMATION_SOURCE	VARCHAR(16777216)	Source of the food ready estimation
RAW_MODEL_PREDICTION	VARIANT	Raw model prediction data
MODEL_ID	VARIANT	Model identifier
SUBTOTAL_PAD	VARIANT	Subtotal padding time
BUSY_KITCHEN_PAD	VARIANT	Busy kitchen padding time
STORE_PREP_TIME_PAD	VARIANT	Store preparation time padding
TOTAL_PAD_SUM	VARIANT	Total sum of padding times
PREP_TIME_WITH_PADS	VARIANT	Preparation time with applied pads
MINT_MIN_PREP_TIME	VARIANT	Minimum preparation time from MINT
MINT_MAX_PREP_TIME	VARIANT	Maximum preparation time from MINT
BOUNDED_PREP_TIME	VARIANT	Bounded preparation time
QUOTED_PICKUP_TIME	TIMESTAMP_TZ(9)	Quoted pickup time
QUOTED_PICKUP_TIME_RANGE_START	TIMESTAMP_TZ(9)	Start range of the final estimated quoted pickup time, not related to prep time workstream because this is not sent to DeepRed
QUOTED_PICKUP_TIME_RANGE_END	TIMESTAMP_TZ(9)	End range of the final estimated quoted pickup time, not related to prep time workstream because this is not sent to DeepRed
ACCUMULATED_PADS	VARCHAR(16777216)	Accumulated pads data
QUOTED_PICKUP_DURATION	VARCHAR(16777216)	Quoted pickup duration. For orders / Mx that uses old model, this is the old model's initial prediction. For orders / Mx that uses new Model (next gen), this is equivalent to estimated_prep_duration.
PADDED_PREP_TIME_DURATION	VARCHAR(16777216)	Padded preparation time duration
MINT_MIN_MAX	VARCHAR(16777216)	MINT set by Mx. Minimum and maximum preparation times.
STORE_OVERRIDE	VARIANT	Flag indicating if a store override is applied
APPLY_STORE_OVERRIDE	BOOLEAN	Flag indicating if the store override should be applied
FIRST_DR_FOOD_READY_TIME	TIMESTAMP_NTZ(9)	Timestamp for estimated food ready time when the first assignment is made

FIRST_DR_FOOD_READY_ESTIMATION_SOURCE	VARCHAR(16777216)	Estimation source for estimated food ready time when the first assignment is made
DR_ESTIMATED_DELIVERY_TIME	TIMESTAMP_NTZ(9)	Timestamp for estimated delivery complete by DeepRed
DR_QUOTED_DELIVERY_TIME	TIMESTAMP_NTZ(9)	Quoted delivery time when assignment is made in DeepRed
POST_ASSIGNMENT_RELEASE_TYPE	VARCHAR(16777216)	Type of assignment release in DeepRed
TTA_COMBINED_LATENCY_BUFFER_D2R	NUMBER(38,0)	Latency buffer for D2R in determining time to assign (Legacy, no longer used in TTA estimate)
TTA_ASSIGNMENT_TIME_PADDING	NUMBER(38,0)	Assignment time padding in determining time to assign (Net padding of parking pad, mx_pickup_lx, and static padding that is in DeepRed)
TTA_PARKING_PAD	NUMBER(38,0)	Mx parking padding in determining time to assign
TTA_MX_PICKUP_LX	NUMBER(38,0)	Mx pickup logistics padding in determining time to assign
ESTIMATED_ASSIGNMENT_LATENCY	NUMBER(38,0)	Estimated assignment latency in determining time to assign (Legacy, no longer used in TTA estimate)
ESTIMATED_ASSIGNMENT_TO_PICKUP_DURATION	NUMBER(38,0)	Estimated assignment to pickup duration in determining time to assign (Legacy, no longer used in TTA estimate)
HH_ATTRIBUTES_INGEST_TIMESTAMP	TIMESTAMP_LTZ(9)	Timestamp when the half-hourly attributes were ingested
DELIVERY_UUID	VARCHAR(16777216)	UUID of the delivery
STORE_ID	NUMBER(38,0)	Store identifier
BUSINESS_ID	NUMBER(38,0)	Business identifier
STORE_NAME	VARCHAR(16777216)	Name of the store
MINIMUM_PREP_TIME	NUMBER(38,0)	Minimum preparation time for the delivery
MAXIMUM_PREP_TIME	NUMBER(38,0)	Maximum preparation time for the delivery
ORDER_PROTOCOL	VARCHAR(16777216)	Order protocol used
POS_PROVIDER	VARCHAR(16777216)	Point of Sale provider
AOR_CONFIG	VARCHAR(16777216)	AOR configuration at store Level
ESTIMATED_PREP_DURATION	NUMBER(38,0)	Estimated preparation duration from ETA model

ESTIMATED_PICKUP_TIME	TIMESTAMP_NTZ(9)	Estimated pickup time sent to Mx
ESTIMATED_PICKUP_DURATION	NUMBER(38,0)	Estimated pickup duration (account for extra time for scheduled orders)
STORE_CONFIRMED_TIME	TIMESTAMP_NTZ(9)	Time when the store confirmed the order
STORE_ORDER_READY_TIME	TIMESTAMP_NTZ(9)	Time when the store indicated the order was ready
ONSITE_ESTIMATED_PREP_TIME	NUMBER(38,0)	Onsite estimated preparation time
ONSITE_ESTIMATED_PREP_TIME_TIMESTAMP	TIMESTAMP_NTZ(9)	Timestamp of the onsite estimated preparation time
DASHER_AT_STORE_TIME	TIMESTAMP_NTZ(9)	Time when the Dasher arrived at the store
HAS_TRUSTWORTHY_ORs	NUMBER(38,0)	Indicator if the ORS (Order Ready Signal) is trustworthy
INFER_ORDER_READY_TIME_SOURCE	VARCHAR(16777216)	Source inferred for the order ready time
INFER_ORDER_READY_TIME	TIMESTAMP_NTZ(9)	Inferred order ready time
BAW_DURATION_ADJ	NUMBER(38,0)	Adjusted BAW duration (batch adjusted wait using 25m geofence)
ALAT_MP	FLOAT	Assignment latency (created to first assignment made)
CONFLAT_MP	FLOAT	CONFLAT (confirmation latency) metric
ASAP_MP	FLOAT	ASAP (create to actual delivery time) metric
LATENESS_MP	FLOAT	Lateness metric for the delivery
DAP	NUMBER(38,0)	Dasher Arrival Precision metric
DAILY_ATTRIBUTES_INGEST_TIMESTAMP	TIMESTAMP_LTZ(9)	Timestamp when the daily attributes were ingested
WAP_DURATION	NUMBER(38,0)	Batch-adjusted wait duration from WAP
PAE	NUMBER(38,0)	Arrival vs Expectation + prep time error (arrival versus order ready time)
BUSINESS_LINE	VARCHAR(16777216)	From edw.cng.dimension_new_vertical_store_tags: includes business vertical like drive_convenience, grocery, etc.
PICK_MODEL	VARCHAR(16777216)	From edw.cng.dimension_new_vertical_store_tags: Model indicating the picking method for the delivery
INGEST_TIMESTAMP	TIMESTAMP_LTZ(9)	Timestamp when the data was ingested into the final table
ACTIVE_DATE	DATE	activation date

TTA_CONFLAT_BUFFER	NUMBER(38,0)	Conflat buffer in determining time to assign
TTA_D2R_BUFFER	NUMBER(38,0)	D2R buffer in determining time to assign
AOR_CONFIG_TYPE	VARCHAR(16777216)	AOR configuration type - can be AOR 1.0, AOR 2.0 instant assign delayed release, or AOR 2.0 instant release
RELEASE_TRIGGERED_TIMESTAMP	TIMESTAMP_NTZ(9)	Timestamp when the AOR order is released to Mx