

Appendix 3: SB 125 General Transit Feed Specification (GTFS) and GTFS-Real Time (RT) Compliance Checklist

Contact

Please provide the contact information

Name: _____
Title: _____
Agency: _____
Email: _____
Phone: _____

Basic GTFS compliance

1. Is your GTFS feed publicly available at a stable URL?
☐ Yes
☐ No
☐ N/A
2. Is your data provided under an open data license?
☐ Yes
☐ No
☐ N/A
3. Can your data be validated by the 511 SF Bay system without any errors?
☐ Yes
☐ No
☐ N/A
4. Is your data made available at least 2 weeks in advance of the service change effective date?
☐ Yes
☐ No
☐ N/A

Basic GTFS-RT compliance

1. Is your data complete with all three feeds – Trip Updates, Vehicle Positions, and Alerts?
☐ Yes
☐ No
☐ N/A
2. Is your data publicly available at stable URLs?
☐ Yes
☐ No
☐ N/A

3. Is your data provided under an open data license?
☐ Yes
☐ No
☐ N/A
4. Can your data be validated by the 511 SF Bay system without any errors?
☐ Yes
☐ No
☐ N/A

GTFS beyond basic compliance

1. Cal-ITP's latest California Transit Data Guidelines recommends compliance with the following:
 - a. stops.txt file has valid non-empty non-null values for all records in the wheelchair_boarding field.
 - b. trips.txt file has valid non-empty non-null values for all records in the wheelchair_accessible field.
 - c. stops.txt file includes tts_stop_name data, specially for those stops that are commonly mispronounced.
 - d. shape data be provided accurately for all trips.

Does your data satisfy the above recommendations?

- ☐ Yes
☐ No
☐ N/A
2. Does your data include Pathways data?
☐ Yes
☐ No
☐ N/A
 3. Does your data follow GTFS Best Practices (reference provided at the end)?
☐ Yes
☐ No
☐ N/A
 4. Do you provide complete data for all fixed route and demand responsive (GTFS-Flex) routes?
☐ Yes
☐ No
☐ N/A
 5. Bay Area Regional Transit Data Guidelines recommends compliance with the following:
 - a. routes.txt file has data in the route_short_name field.
 - b. stops.txt file for real-time enabled agencies has unique numeric stop_code values with MTC assigned prefixed digits for all stops.
 - c. trips.txt file has trip_headsign and direction_id values.
 - d. directions.txt, route_attributes.txt, and calendar_attributes.txt GTFS+ files are included.
 - e. calendar.txt file has at least one service record with one of the day values set to '1'.

Does your data satisfy the above recommendations?

- ☐ Yes
- ☐ No
- ☐ N/A

GTFS-RT beyond basic compliance

1. Does your data follow GTFS-RT Best Practices (reference provided at the end)?
 - ☐ Yes
 - ☐ No
 - ☐ N/A
2. Cal-ITP's latest California Transit Data Guidelines recommends compliance with the following:
 - a. Data represents all fixed route services in RT feeds.
 - b. Data represents all planned (SCHEDULED and CANCELED) and unplanned (ADDED) trips in RT feeds.
 - c. Vehicle Positions feed fully represents Trip Updates feed.
 - d. Trip Updates and Vehicle Positions feeds update every 20 seconds with updated timestamps.
 - e. Unplanned or short-notice service changes are represented in RT unless an updated GTFS schedule feed is disseminated in time for most trip planners.

Does your data satisfy the above recommendations?

- ☐ Yes
- ☐ No
- ☐ N/A

3. Do you perform real-time prediction accuracy monitoring?
 - ☐ Yes
 - ☐ No
 - ☐ N/A
4. If you answered yes in the previous question, how often do you perform monitoring?
 - ☐ Weekly
 - ☐ Monthly
 - ☐ Quarterly
 - ☐ Yearly
 - ☐ Others

Please also attach a sample monitoring report if possible.

Please describe any efforts your agency has taken to audit the accuracy of GTFS-RT predictions. Attach any relevant reports or data describing accuracy assessment findings.

Please suggest any recommendations you may have for data quality improvement.

Reference

- a. [General Transit Feed Specification](#)
- b. [GTFS Best Practice](#) & [GTFS-RT Best Practice](#)
- c. [California Transit Data Guidelines v3.1](#)
- d. Bay Area Regional Transit Data Guidelines – available on request