

SANDAG ABM2+ REVISIONS

FY 2023 – FINAL RELEASE 14.3.0

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Series 14 ABM2+ Release

Version 14.3.0

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Highlights

Since the adoption of 2021 Regional Plan (RP) in December 2021, additional model improvements were made, including input changes, software bugs fixes, and new model features. These improvements triggered releasing of ABM version 14.3.0, and update from version 14.2.2 used in 2021RP. ABM version 14.3.0 is for post 2021RP Service Bureau and other project level studies. Key improvements included in version 14.3.0 are:

1. Employment allocation corrections (update from DS_35 and DS_38 to DS_41 and DS_42)
2. A cross-border model bug fix, [ABM-1393](#)
3. Airport model update [ABM-1406](#)
4. Airport enplanement forecast update [ABM-1404](#)
5. Land use customization procedures in ABM2+ version 14.3.0 for project level modeling. [ABM-1397](#)

For model improvement details, please refer to this [memo](#).

Bug

- [ABM-1395](#) To add a round() call to the setting of link hourly capacity fields
- [ABM-1393](#) Cross Border Recalibration
- [ABM-1389](#) Correct shadow pricing calculation bug for work and school location choices

Improvement

- [ABM-1406](#) Merge airport model update pull request from WSP
- [ABM-1404](#) Update airport enplanement to 2019 SDIA forecast
- [ABM-1402](#) Update to the correct database 14_3_0
- [ABM-1401](#) Add new column 'weight' to persons and households table
- [ABM-1400](#) ABM exporter update for SB and airport model
- [ABM-1398](#) Automate number of zones in the setup for zone split
- [ABM-1397](#) Add enhancements done in ABM2+ SB work
- [ABM-1396](#) Add household level sampling
- [ABM-1394](#) Add scenario ID to shapefiles and copy micromobility logsum files

Problem

- [ABM-1405](#) Include employment allocation corrections in mgra input file

Task

- [ABM-1399](#) ABM database update for zone split
- [ABM-1388](#) Move some third party library jars to local Maven repository in POM