# Intercompany and dimension issue in translator companies

## Background

In Business Central we have 16 companies. Among these companies 1 is a parent company called Deerfield D&D, LLC(3DC). Rest of the companies are called translator companies like Anoca Innovations LLC, Bluefield Innovations LLC etc. In all the companies including 3DCwe have a set of dimensions in Ledger and Journals named Project, Department, Company and Vendor.

## Scenario

All the monthly data stays in 3DC and on closing of every month, all ledger entries from 3DC should move into move into respective companies and those entries should be reversed in 3DC itself. To achieve this we created a new utility which is run at every month’s end. It looks for company dimension and create new journal entries in respective company as well as reverses the entry in 3DC. In all this scenario we have to keep dimensions same for reporting. All these dimensions for every ledger and journal entry is maintained in Dimension Set Entry table. It has combination of dimensions and they are identified with Dimension Set ID. This Dimension Set ID works as a foreign key for Journal and Ledger entries. Each company has its own set of Dimension Set ID which is maintained by Business Central itself.

Problem comes when intercompany runs by month end it reverses and assigns dimension itself in same company(Intercompany runs in 3DC always).But when these dimensions needs to be assigned to Translator we are unable to get old dimension combination or old dimension set ID or create new one if combination does not exist. We have to add dimension using a code unit called Dimension Management. If we add it ourselves (forced insertion of dimensions) the system does not update itself with new dimension set ID and keeps the old ID. When working with the dimension it shows the stuck dimension value error and does not create new one unless dimension set ID is set manually by repeating the operation. When we try to add dimension by Dimension Management code unit(it has a method called GetDimensionSetID) we get the source companies dimension set ID not the translators ID. So far solutions are not helpful and we are struggling to get or set dimension set ods in translator companies.

Move & Reverse

General Ledger Entries (Deerfield D&D LLC )

General Journal (Deerfield D&D LLC )

Dimension Set

General Journal (Ancora Innovation LLC )

Dimension Set

…, n

General Journal (Deerfield BI LLC )