Matching up (or not) the MTS, DATA Act, and DTS

# Website/API vs. MTS

1. **Does the website’s homepage tree map for budget functions match MTS?**
   * Yes: The dollar values match (rounded)
   * No: As a percent. Is the website using a different total number?
     1. Yes, the homepage tree map is taking a “spending perspective” and thus throws out negative outlays from the tree map. In this case, (1) Commerce and Housing Credit and (2) offsetting receipts. Then, I got matching %’s
   * Note: the homepage cites MTS as the data source…
2. **Does search page match MTS on 2017 data?**
   * No, but…: MTS is outlays, the search page shows obligations
3. **Is MTS gross or net?** 
   * Depends on the Table: Some columns say Net, others say Gross, some say total, some have nothing (e.g. Outlays)
     1. Most are “totals” and (I believe) these are net, whereas they specify gross
        1. Table 4 shows gross outlays, applicable receipts, and outlays, suggesting “outlays” and “totals” represent net, and gross only if stated
4. **Are we including fees from services (negative outlay? Receipts?)** 
   * Undetermined
5. **Does API data match MTS for outlay to outlay comparison of outlays by budget function?**
   * No: MTS is showing NET outlays by budget function for each month. The API is giving GROSS outlays.
6. **Can we compare gross numbers for outlay to outlay comparison budget function?**
   * No: Only place I see gross outlays is Table 5, but this is organized by agency/sub-agency and not budget function.
     1. We would need a crosswalk between budget function and agency
   * See excel comparison spreadsheet for in-depth look at MTS vs. TAS Balances or TAS Categories from the API
     1. TAS Balances and TAS Categories don’t match each other…
7. **Can we use DATA Act data to find net amounts that correspond to the net amounts in MTS?**
   * I don’t see anything adjustment-related that’s for outlays, only obligations
8. **What’s the timing relationship between the two?** 
   * Some endpoints are *through* Q2, and thus can be compared with FYTD numbers
   * Some endpoints are *only in*  Q2, and thus the appropriate 3 MTSs would need to be summed to find the corresponding values

# Aileen - MTS & DATA Act data relationship

Spoke with Aileen 8/8 and sent follow up email. Need to follow up with her.

# Agency Transfers and Outlays: How are these counted?

Is it possible our MTS vs. DATA Act gross outlay numbers are off due to double counting of money that got transferred from one agency and spent by another?

* AllocationTransferAgencyIdentifier
  + is in Files A-C
  + Def: allocation agency identifies the department or agency that is **receiving** funds through an allocation (non-expenditure) transfer.
* TAS Balances endpoint (File A-ish)

# Are agency errors possibly driving differences?

Of the differences between the March MTS and DATA Act data (pulled in June and July from the API), most of the difference is driven by three agencies: HHS, Treasury, and DoD.

The endpoints TAS Balances and TAS Categories roughly correlate to File A and B, respectively. These two endpoints do not always have the same information, let alone match with MTS.

DoD did not submit

## A/B cross-file warnings

DoD – 6 (but unclear how many TAS’s should’ve been reported? A33 warning is blank)  
HHS – 5  
Treasury – 0

## TAS Balance vs. TAS Categories, given these warnings

DoD – has 6 warnings, but TAS Bal/Cat is off by 400k  
HHS –has 5 File A/B warnings, and has the same TAS bal/cat numbers – check  
Treasury - has no File A/B warnings, and has the same TAS bal/cat numbers – check

Note: HUD (Bal – Cat) ~ -$-25B and they had 522 A/B warnings (311 TAS reported and 154 more TAS they should’ve reported. HUD is about $5B higher in our data than MTS.