## Appendix 6-A: Test Character Curves, Information Functions and Conditional Standard Error of Measurement

**Test Characteristic Curves (TCCs)** 

Figure 6.1 Grade 3 TCCs Math 2018-19 Operational Forms

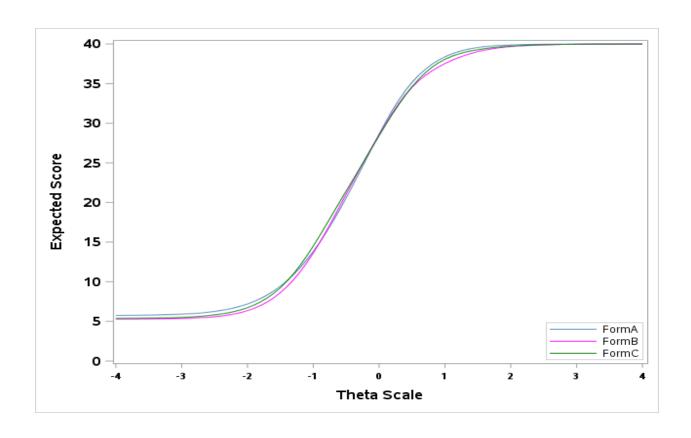


Figure 6.2 Grade 4 TCCs Math 2018-19 Operational Forms

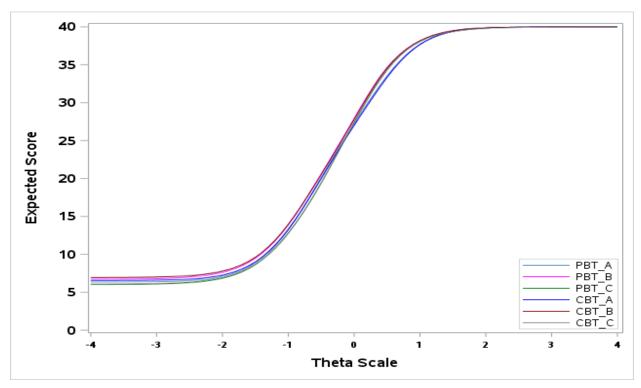


Figure 6.3 Grade 5 TCCs Math 2018-19 Operational Forms

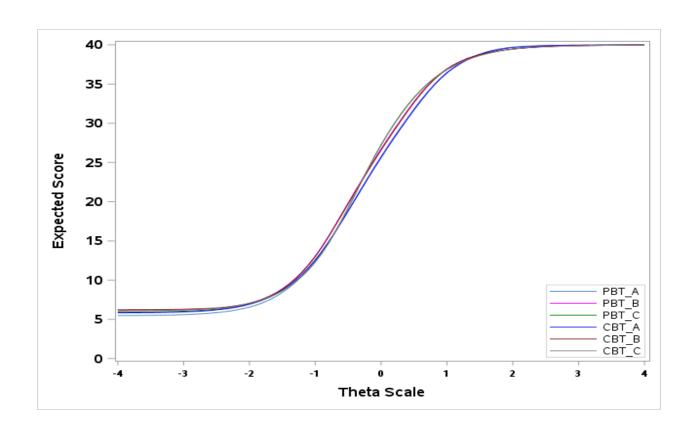


Figure 6.4 Grade 6 TCCs Math 2018-19 Operational Forms

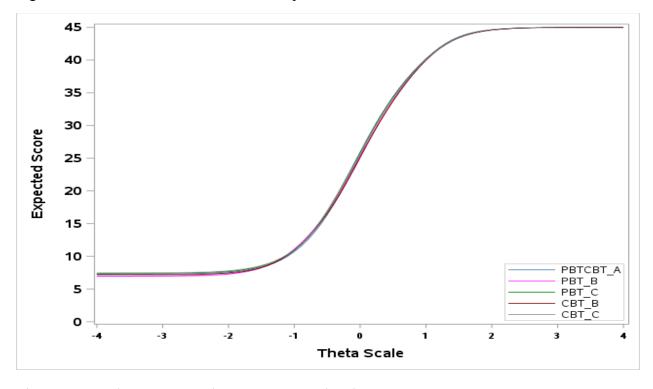


Figure 6.5 Grade 7 TCCs Math 2018-19 Operational Forms

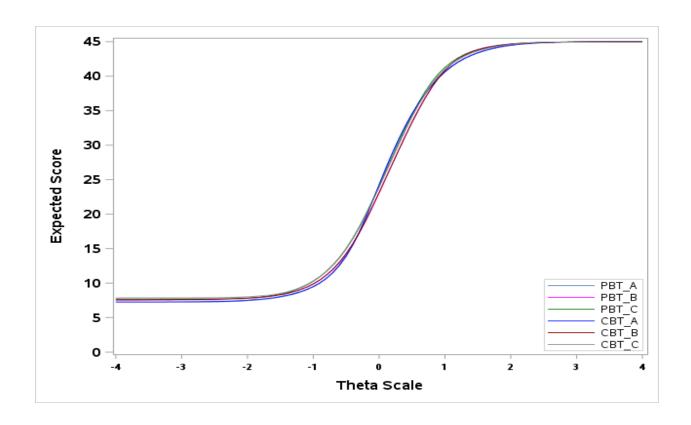


Figure 6.6 Grade 8 TCCs Math 2018-19 Operational Forms

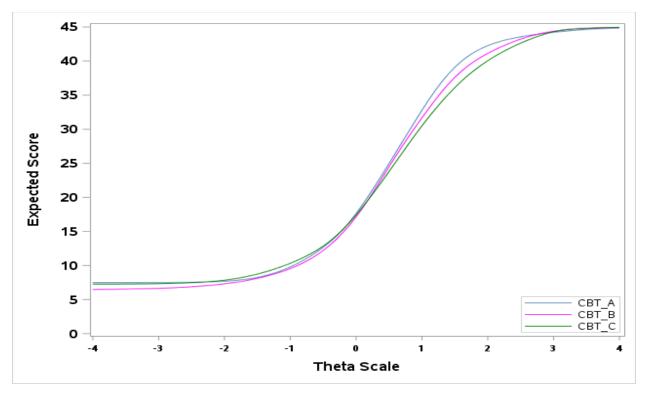


Figure 6.7 NC Math 1 TCCs 2018-19 Operational Forms

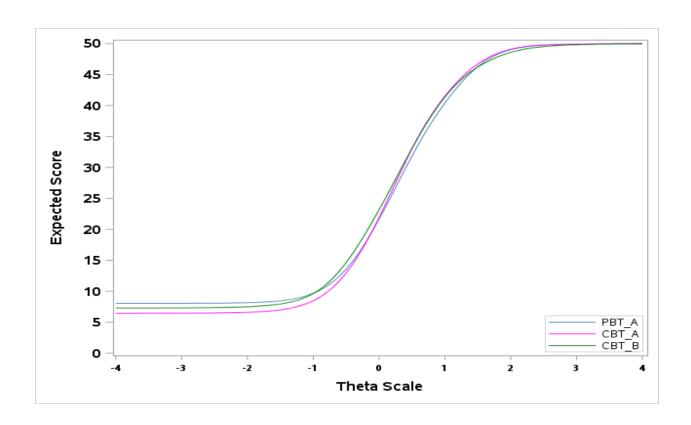
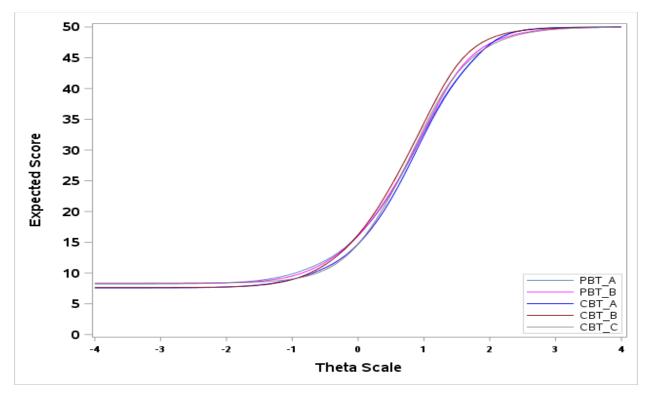


Figure 6.8 NC Math 3 TCCs 2018-19 Operational Forms



**Test Information Functions (TIF) and Conditional Standard Error of Measurements (CSEM)** 

Figure 6.9 Math Grade 3 TIFs and CSEM 2018-19 Operational Forms

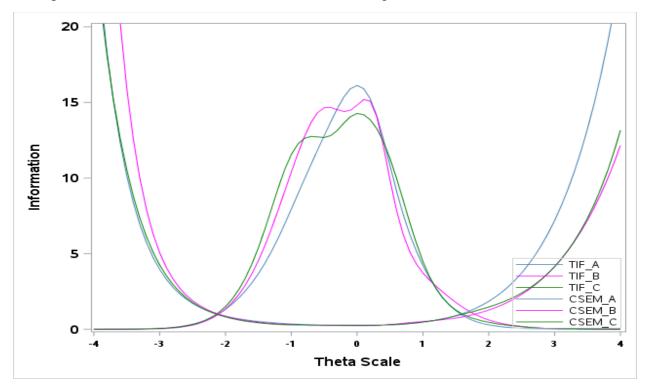


Figure 6.10 Math Grade 4 TIFs and CSEM 2018-19 Operational Forms

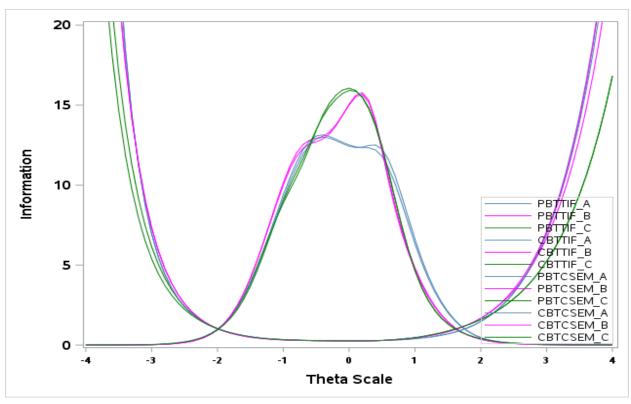


Figure 6.11 Math Grade 5 TIFs and CSEM 2018-19 Operational Forms

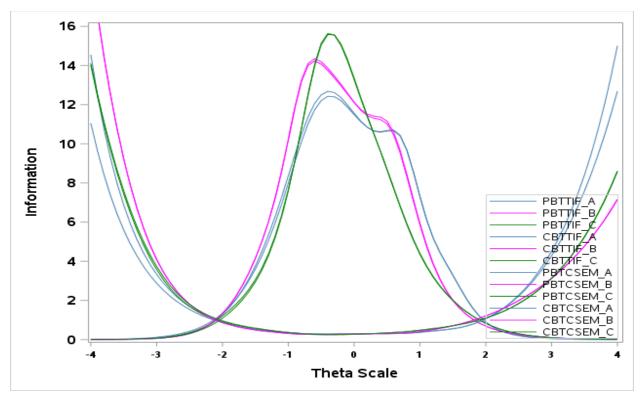


Figure 6.12 Math Grade 6 TIFs and CSEM 2018-19 Operational Forms

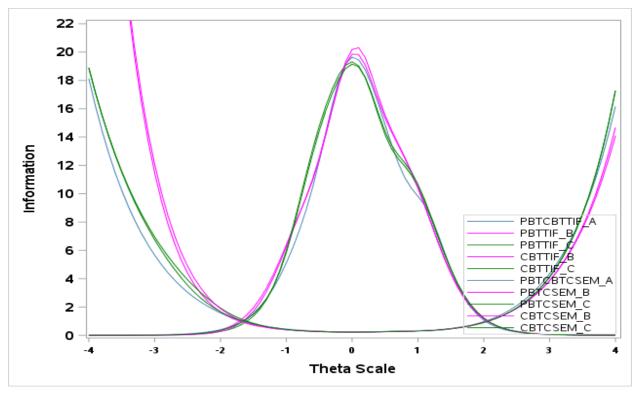


Figure 6.13 Math Grade 7 TIFs and CSEM 2018-19 Operational Forms

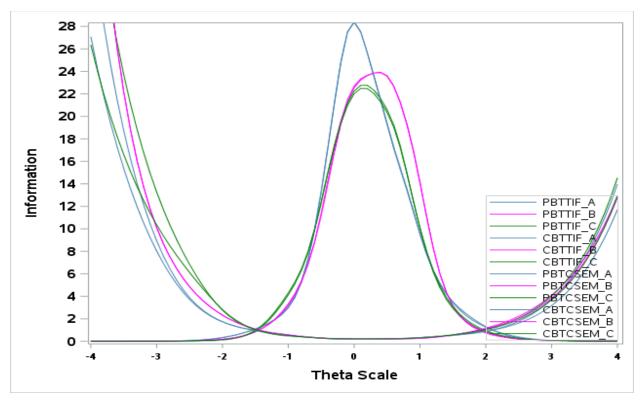


Figure 6.14 Math Grade 8 TIFs and CSEM 2018-19 Operational Forms

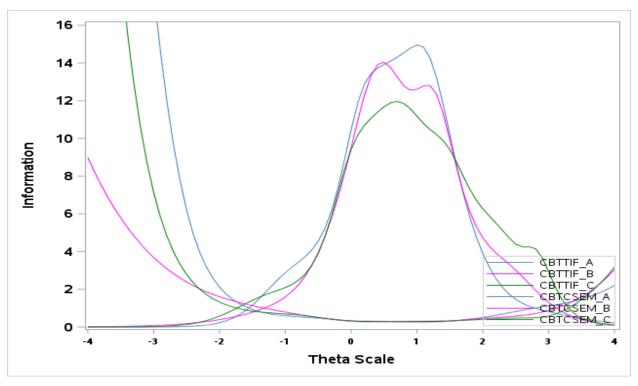


Figure 6.15 NC Math 1 TIFs and CSEM 2018-19 Operational Forms

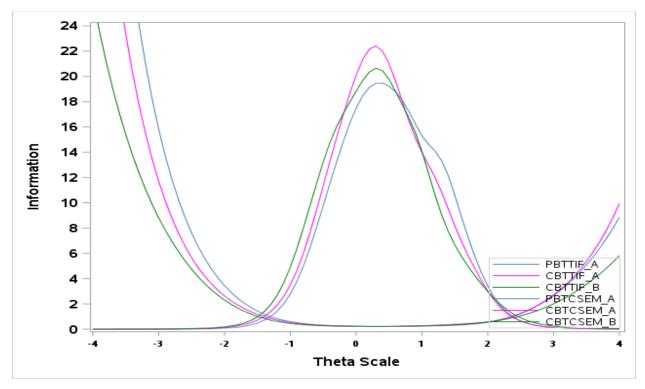


Figure 6.16 NC Math 3 TIFs and CSEM 2018-19 Operational Forms

