1. **A→TC:** $\{$TC, AppKey, B$\}_{KA}$
2. **TC→A:** $\{$A, AppMK, B, TRUE, MK$\}_{KA}$
3. **TC→B:** $\{$B, AppMK, A, FALSE, MK$\}_{KB}$
4. **A→B:** $\{$B, FALSE, Zero, SKKE$\}_{MK}$
5. **B→A:** $\{$A, TRUE$\}_{MK}$
6. **A→B:** $\{$NA$\}_{MK}$
7. **B→A:** $\{$NB$\}_{MK}$
8. **A→B:** MAC$\{$3,A,B,NA,NB$\}_{H(MAC\{A,B,NA,NB\}_{MK},1)}$
9. **B→A:** MAC$\{$2,B,A,NB,NA$\}_{H(MAC\{A,B,NA,NB\}_{MK},1)}$