IBAN FOR DSB BANK

Data Source Bank has a requirement to construct International Bank Account Numbers (IBANs), even for Transactions taking place in the UK. The data is presented in two different files – Swift Codes & Transactions. The dataset has to be cleaned and a new column "IBAN" has to be created by using the 2 datasets –

Dataset

Transaction ID	Account Number	Sort Code	Bank
3888	62230725	95-98-82	Data Source Bank
4746	83172326	42-86-38	Barclays Bank
5404	34302539	53-28-21	Barclays Bank
9013	13350031	93-87-71	Natwest
2535	68745993	57-14-32	Barclays Bank
4656	60830548	79-82-74	Barclays Bank
1245	68373125	50-84-66	HSBC
9741	43638730	56-59-39	HSBC
1671	77144031	19-55-44	HSBC

Bank	SWIFT code	Check Digits
Lloyds Bank	LOYD	C1
Barclays Bank	BARC	22
Halifax	HLFX	22
HSBC	HBUK	4B
Natwest	NWBK	2L
Santander	ABBY	3E
Data Source Bank	DSBX	12

Output: IBAN

Transaction ID	IBAN
3,888	GB12DSBX95988262230725
4,746	GB22BARC42863883172326
5,404	GB22BARC53282134302539
9,013	GB2LNWBK93877113350031
2,535	GB22BARC57143268745993
4,656	GB22BARC79827460830548
1,245	GB4BHBUK50846668373125
9,741	GB4BHBUK56593943638730
1,671	GB4BHBUK19554477144031