MasterCard EMV Liablity Shift Chart

<table>
<tr><td colspan="5">Assumptions:
- Table as it relates specifically to liability ONLY under chargeback reason code 4870 Chip Liability Shift.
- Assumes that the 4870 chargeback meets all requirements (for example: reported to SAFE as counterfeit, includes proper supporting documentation, Chip Liability shift applicable for the transaction, etc.)
- Assumes that transaction is approved and that the card is present at the point of interaction.
- In the case of a Chip transaction, the proper data elements were transmitted in both authorization and presentment messages.</td></tr>
<tr><th>Chargeback Type</th><th>Transaction Type POS / AFD</th><th>EMV Capability at Terminal</th><th>EMV Capability on Card</th><th>Liability After:
1 Oct-2015 for POS
1 Oct 2017 for AFD</th></tr>
<tr><td rowspan="8">Counterfeit</td><td rowspan="4">POS</td><td>No EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>No EMV</td><td>EMV</td><td>Merchant liable</td></tr>
<tr><td>EMV</td><td>EMV</td><td>Issuer liable</td></tr>
<tr><td>EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td rowspan="4">AFD</td><td>No EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>No EMV</td><td>EMV</td><td>Merchant liable</td></tr>
<tr><td>EMV</td><td>EMV</td><td>Issuer liable</td></tr>
<tr><td>EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
</table>

<table>
<tr><td colspan="5">Assumptions:
- Table as it relates specifically to liability ONLY under chargeback reason code 4871 Chip/PIN Liability Shift.
- Assumes that the 4871 chargeback meets all requirements (for example: reported to SAFE as lost/stolen/NRI, includes proper supporting documentation, Chip Liability shift applicable for the transaction, etc.)
- Assumes that transaction is approved and that the card is present at the point of interaction.
- In the case of a Chip transaction, the proper data elements were transmitted in both authorization and presentment messages.</td></tr>
<tr><th>CB Type</th><th>Transaction Type POS / AFD</th><th>Strongest EMV Capability at Terminal</th><th>Strongest EMV Capability on Card</th><th>Liability After:
1 Oct-2015 for POS
1 Oct 2017 for AFD</th></tr>
<tr><td rowspan="12">Lost & Stolen</td><td rowspan="7">POS</td><td>No EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>No EMV</td><td>EMV</td><td>Merchant liable</td></tr>
<tr><td>EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>EMV: signature</td><td>EMV: signature</td><td>Issuer liable</td></tr>
<tr><td>EMV: signature</td><td>EMV: PIN</td><td>Merchant liable</td></tr>
<tr><td>EMV: PIN</td><td>EMV: signature</td><td>Issuer liable</td></tr>
<tr><td>EMV: PIN</td><td>EMV: PIN</td><td>Issuer liable</td></tr>
<tr><td rowspan="5">AFD</td><td>No EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>No EMV</td><td>EMV</td><td>Merchant liable</td></tr>
<tr><td>EMV</td><td>No EMV</td><td>Issuer liable</td></tr>
<tr><td>EMV: PIN</td><td>EMV: signature</td><td>Issuer liable</td></tr>
<tr><td>EMV: PIN</td><td>EMV: PIN</td><td>Issuer liable</td></tr>
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