CLAIMS

What is claimed is:

1. A method, comprising:

receiving, via a computing device including a payment portal, an encrypted payment message from a buyer relating to a transaction with a merchant;

wherein the payment portal includes:

a plurality of parsing algorithms including a first parsing algorithm and a second parsing algorithm;

a plurality of interchange rate tables;

parsing, in the computing device and using the first parsing algorithm, the encrypted payment message to obtain merchant identifying information;

wherein the merchant identifying information is associated in the payment portal with the second parsing algorithm;

parsing, in the computing device and using the second parsing algorithm, the encrypted payment message to obtain payment information defined by the transaction;

selecting, via the payment portal and using the merchant identifying information and the payment information, a selected one of the interchange rate tables from the plurality of interchange rate tables;

wherein the selected interchange rate table is associated in the payment portal with the merchant identifying information and the payment information;

wherein at least one of the merchant identifying information or the payment information includes an interchange adjustment factor defined by the transaction; and

determining, in the computing device and using the selected interchange rate table and the interchange adjustment factor, an adjusted interchange rate;

wherein the payment portal includes a plurality of settlement algorithms;

selecting, via the payment portal and using at least one of the merchant identifying information or the payment information, a selected one of the settlement algorithms from the plurality of settlement algorithms;

wherein the selected settlement algorithm is associated in the payment portal with at least one of the merchant identifying information or the payment information; and

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determining, in the computing device, an adjusted interchange fee defined by the adjusted interchange rate and the payment information, using the selected settlement algorithm;

wherein the payment portal includes a plurality of payment algorithms;

selecting, via the payment portal and using the at least one of the merchant identifying information or the payment information, a selected one of the payment algorithms from the plurality of payment algorithms;

wherein the selected payment algorithm is associated in the payment portal with at least one of the merchant identifying information or the payment information;

wherein the payment information includes a payment amount to be paid by the buyer to the seller;

compiling a settlement output, via the payment portal and using at least one of the selected payment algorithm or the selected settlement algorithm; and

wherein the settlement output includes the payment amount and at least one of the adjusted interchange rate or the adjusted interchange fee;

wherein the payment portal is in communication with at least one of a website of the payment application provider, a server of the payment application provider, an issuer website of the issuer of the payment card, or an issuer server of the issuer;

encrypting the settlement output, in the computer device and using the payment algorithm;

transmitting, via the payment portal, a payment authorization request to the at least one of the payment application provider or the issuer; and

wherein the payment authorization request is associated in the payment portal with the settlement output;

receiving, via the payment portal, a response to the payment authorization request from at least one of the website of the payment application provider, the server of the payment application provider, the issuer website of the issuer of the payment card, or the issuer server of the issuer;

wherein the response to the payment authorization request includes one of an approval and a declination of the payment authorization request.

2. The method of claim 1, further comprising:

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reporting the declination of the payment authorization request, via the payment portal, to the buyer.

3. The method of claim 1, further comprising:

wherein the payment portal includes a plurality of reporting algorithms;

selecting, via the payment portal and using the merchant identifying information and the payment information, a selected one or the reporting algorithms from the plurality of reporting algorithms;

wherein the selected reporting algorithm is associated in the payment portal with the merchant identifying information and the payment information; and

generating a merchant notification message, in the computing device and using the selected reporting algorithm and at least one of the settlement output, the payment authorization request, the merchant identifying information, or the payment information;

wherein the merchant notification message includes a notification of the approval of the payment authorization request.

4. The method of claim 3, wherein the merchant notification message includes one of the payment amount, the adjusted interchange rate, and the adjusted interchange fee.

5. The method of claim 3, further comprising:

transmitting the merchant notification message to the merchant, via the payment portal.

6. The method of claim 1, further comprising:

determining a buyer rebate, via the payment portal and using at least one of the adjustment factor or the adjusted interchange rate.

7. The method of claim 1, further comprising:

wherein the payment portal includes a plurality of rebate tables;

selecting, via the payment portal and using the merchant identifying information and the payment information, a selected one of the rebate tables from the plurality of rebate tables;

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wherein the selected rebate table is associated in the payment portal with the payment information;

determining an adjusted rebate rate, in the computing device and using the rebate table and at least one of the adjustment factor, the adjusted interchange rate, or the settlement algorithm;

wherein the payment portal includes a plurality of reporting algorithms;

selecting, via the payment portal and using the merchant identifying information and the payment information, a selected one of the reporting algorithms from the plurality of reporting algorithms;

wherein the selected reporting algorithm is associated in the payment portal with the payment information; and

reporting, via the payment portal, the adjusted rebate rate to at least one of the payment application provider or the issuer.

8. The method of claim 1, further comprising:

wherein the transaction includes a plurality of transactions including a first transaction and a second transaction;

wherein the interchange authorization factor includes a plurality of interchange authorization factors including a first interchange authorization factor associated by the payment information with the first transaction and a second interchange authorization factor associated by the payment information with the second transaction;

determining a first adjusted interchange rate for the first transaction, in the computing device and using the selected interchange rate table and the first interchange authorization factor; and

determining a second adjusted interchange rate for the second transaction, in the computing device and using the selected interchange rate table and the second interchange authorization factor.

9. The method of claim 8, further comprising:

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comparing the first adjusted interchange rate and the second adjusted interchange rate, in the computing device and using at least one of the settlement algorithm or the payment algorithm; and

wherein the first adjusted interchange rate is different than the second adjusted interchange rate, the method further comprising:

adjudicating, in the computing device and using the settlement algorithm, the first adjusted interchange rate and the second adjusted interchange rate to determine an adjudicated interchange rate; and

using the adjudicated interchange rate as the adjusted interchange rate for the transaction.

10. The method of claim 1, further comprising:

wherein the plurality of parsing algorithms includes a third parsing algorithm;

parsing, in the computing device and using the third parsing algorithm, the encrypted payment message to obtain the interchange adjustment factor.

11. The method of claim 10, further comprising:

parsing, in the computing device and using the third parsing algorithm, the payment information to obtain at least one of days sales outstanding (DSO) for the transaction or a payment amount for the transaction; and

wherein the interchange adjustment factor is defined by at least one of the days sales outstanding (DSO) or the payment amount.

12. The method of claim 1, further comprising:

wherein at least one of the merchant identifying information or the payment information includes an indication of at least one of a commodity, a market segment, a product segment, or a service segment associated with the transaction; and

wherein selected interchange rate table is associated in the payment portal with the at least one of the commodity, the market segment, the product segment, or the service segment.

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13. An apparatus comprising a computing device having a processor and a memory, the memory storing thereon instructions executable by the processor such that the apparatus is configured to:

receive, via the computing device, an encrypted payment message from a buyer relating to a transaction with a merchant;

wherein the computing device includes a payment portal;

wherein the payment portal includes:

a plurality of parsing algorithms including a first parsing algorithm and a second parsing algorithm;

a plurality of interchange rate tables;

parse, in the computing device and using the first parsing algorithm, the encrypted payment message to obtain merchant identifying information;

wherein the merchant identifying information is associated in the payment portal with the second parsing algorithm;

parse, in the computing device and using the second parsing algorithm, the encrypted payment message to obtain payment information defined by the transaction;

select, via the payment portal and using the merchant identifying information and the payment information, a selected interchange rate table from the plurality of interchange rate tables;

wherein the selected interchange rate table is associated in the payment portal with the merchant identifying information and the payment information;

wherein at least one of the merchant identifying information or the payment information includes an interchange adjustment factor defined by the transaction; and

determine, in the computing device and using the selected interchange rate table and the interchange adjustment factor, an adjusted interchange rate;

wherein the payment portal includes a plurality of settlement algorithms;

the apparatus being further configured to:

select, via the payment portal and using the at least one of the merchant identifying information or the payment information, a selected settlement algorithm from the plurality of settlement algorithms;

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wherein the selected settlement algorithm is associated in the payment portal with at least one of the merchant identifying information or the payment information; and

determine, in the computing device and using the selected settlement algorithm, an adjusted interchange fee defined by the adjusted interchange rate and the payment information;

wherein the payment portal includes a plurality of payment algorithms;

the apparatus being further configured to:

select, via the payment portal and using the at least one of the merchant identifying information or the payment information, a selected payment algorithm from the plurality of payment algorithms;

wherein the selected payment algorithm is associated in the payment portal with at least one of the merchant identifying information or the payment information;

wherein the payment information includes a payment amount to be paid by the buyer to the seller;

compile, via the payment portal and using at least one of the selected payment algorithm or the selected settlement algorithm, a settlement output;

wherein the settlement output includes the payment amount and at least one of the adjusted interchange rate or the adjusted interchange fee;

wherein the payment portal is in communication with at least one of a website of the payment application provider, a server of the payment application provider, an issuer website of the issuer of the payment card, or an issuer server of the issuer;

the apparatus being further configured to:

encrypt, in the computer device and using the payment algorithm, the settlement output;

transmit, via the payment portal, a payment authorization request to the at least one of the payment application provider or the issuer;

wherein the payment authorization request is associated in the payment portal with the settlement output; and

receive, via the payment portal, a response to the payment authorization request from at least one of the website of the payment application provider, the server of the payment application provider, the issuer website of the issuer of the payment card, or the issuer server of the issuer;

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wherein the response includes one of an approval and a declination of the payment authorization request.

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