

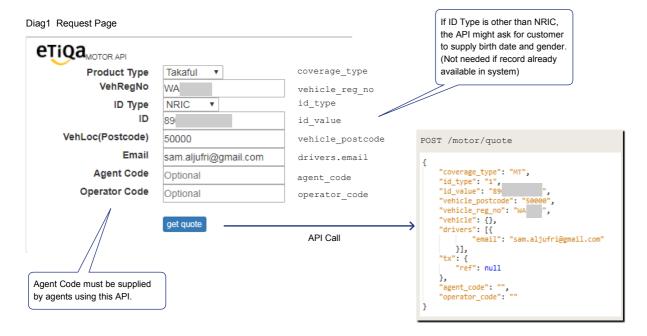
# Motor API Reference Implementation for UI

Technical Specification Document (TSD)

v 0.4

Last modified: Mar 3rd 2018 prepared by Syed Abd Mutalib

#### Motor API UI Reference Implementation



```
Diag2 Response for /quote request
```

}

```
"code": null,
"message": null,
                                                                                             tx.ref will be used in all
"status": "OK",
                                                                                             subsequent requests to
"data": {
      "tx": {
    "ref": "QQTAyHOvPRmSDVb3C6e-Sw"
                                                                                             /quote and /policy API
     "birth_date":
                 "id_value": "890
"driver_no": "0",
                                                                                                               Refer to Diag4 for display
                  "residential_address1": "
                  "residential_address2": '
                 "residential_address3": "54200 Kuala Lumpur Wp", "mobile_no": "",
                 "residential_state": "",
"residential_postcode": "54200",
                  "age": 28
           }],
       "vehicle": {
    "make": "PERODUA",
    "variant": "SE ZHS-4 SP AUTOMATIC-1298",
    "model": "MYVI",
    "reg_no": ",
    "chassis_no": "PM2M602S002206287",
    "make_code": "33",
    "make_year": "2014",
    "variant_code": "INM1444"
           "variant_code": "INM14A",
"model_code": "06"
      "quotation": {
            "pa": null,
            "basic contribution": "1097.80",
           "ncd_pct": "25.00",
"ncd_amt": "274.45",
                                                                                           Refer to Diag3 for display
            "proposed_sum_covered": "29000.00",
           "sum_covered_min": "27000.00",
"sum_covered_max": "34000.00",
           "gross_contribution": "823.35",
"rebate_pct": "10.00",
            "contribution_after_rebate_amt": "741.01",
           "gst_pct": "6.00",
"gst_amt": "44.46",
"stamp_duty": "10.00",
"total_contribution": "795.47",
"insured_period": "20171119-20181118",
"coverage_type": "MT",
"-1doc": []
            "addons": [],
            "total_payable": "795.47"
                                                                                                                                     Refer to Diag5
       Shows list of available Addons
                                                                                                                                     for this customer. Certain types
                  "display_order": "1"
           }, {
    "code": "B057",
    "name": "Extended Flood Cover",
    "are order": "2"
                                                                                                                                     of users might not have one or
                                                                                                                                     more addons offered. In such
                                                                                                                                     case, the GUI shall not show
           }, {
    "code": "P14B",
    "name": "Compensation for Assessed Repair Time (14 Daysx100)",
    "display_order": "3"
                                                                                                                                     them.
           }, {
    "code": "P10B",
    "name": "Loss of Use (LOU)",
    "lay order": "4"
           }, {
    "code": "PA",
    "name": "Personal Accident",
    "name": "5"
           }, {
    "code": "B072",
    "name": "Legal Liability of Passenger for Acts of Negligence Coverage",
    "-1--", "6"
           }, {
    "code": "B089",
    "name": "Windscreen Coverage",
    "av order": "7"
      "quotation_no": "D522018M-00015429-001",
"agent_code": "V0003926",
      "operator_code": "'
```

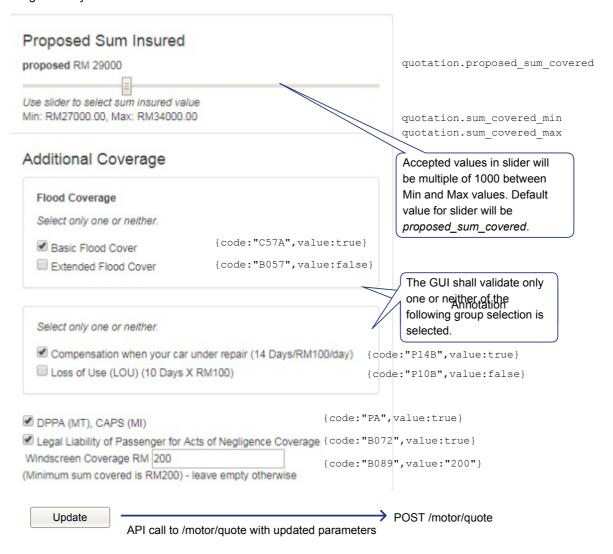
# Diag3 Quotation Fragment

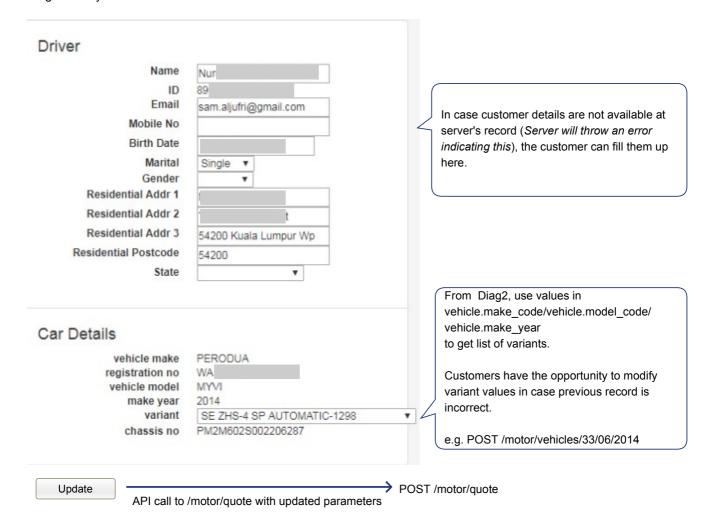
agent_code	Quotation  DS22018M-00015426-001 quotation_ Agent V0003926   Operator. operator_c  Coverage Period: 20171119-20181118 quotati	ode	
	Basic Contribution	RM 1097.80	quotation.basic_contribution
quotation.ncd_pct	(-) NCD 25.00%	(RM 274.45)	quotation.ncd_amt
	Sum Covered	RM 29000	quotation.proposed_sum_covered
	Gross Contribution	RM 823.35	quotation.gross_contribution
quotation.rebate_pct	Contribution After Rebate (10.00 %)	RM 741.01	quotation.contribution_after_rebate_amt
quotation.gst_pct	GST (6.00%)	RM 44.46	quotation.gst_amt
quotation.stamp_duty	Stamp Duty (RM10.00)	RM 10.00	quotation.stamp_duty
	Total Contribution	RM 795.47	quotation.total_contribution
	total payable	RM 795.4	<b>7</b> quotation.total_payable

#### Diag4 Details Fragment



#### Diag5 Modify Addons





#### POST /motor/quote

```
],
|"addons": [{
| "code": "PA",
| "value": true
      }, {
    "code": "B089",
    "value": "200"
                                            Addons as selected by
      }, {
    "code": "C57A",
    "value": true
                                            customers. Values are either
      }, {
    "code": "P14B",
    "value": true
                                            true or false except for B089
                                            where it takes positive integer
      }, {
    "code": "P10B",
    "value": false
                                            (as string) of min amout 200; or
                                            empty string if addon not
      }, {
    "code": "B072",
    "value": true
                                            selected
      }, {
    "code": "B057",
    "value": false
```

#### **Diag8 Updated Quotation Details**

total payable

#### modify or add addons Quotation DS22018M-00015426-001 Agent: V0003926 | Operator Coverage Period: 20171119-20181118 Basic Contribution RM 1097.80 (-) NCD 25.00% (RM 274.45) Additional Coverage Windscreen Coverage RM 30.00 Basic Flood Cover RM 72.50 Legal Liability of Passenger for Acts of Negligence Coverage RM 7.50 Compensation for Assessed Repair Time (14 Daysx100) RM 140.00 Sum Covered RM 29000 Gross Contribution RM 1073.35 Contribution After Rebate (10.00 %) RM 966.01 GST (6.00%) RM 57.96 Stamp Duty (RM10.00) RM 10.00 Total Contribution RM 1033.97 Driver & Passengers PA (CAPS/DPPA) RM 61.00 Contribution After Rebate (10.00 %) RM 54.90 Fee RM 4.00 (+) GST (6.00%) RM 62.43 Stamp Duty (RM10.00) RM 10 CAPS/DPPA Nett RM 72.43

RM 1106.40

}

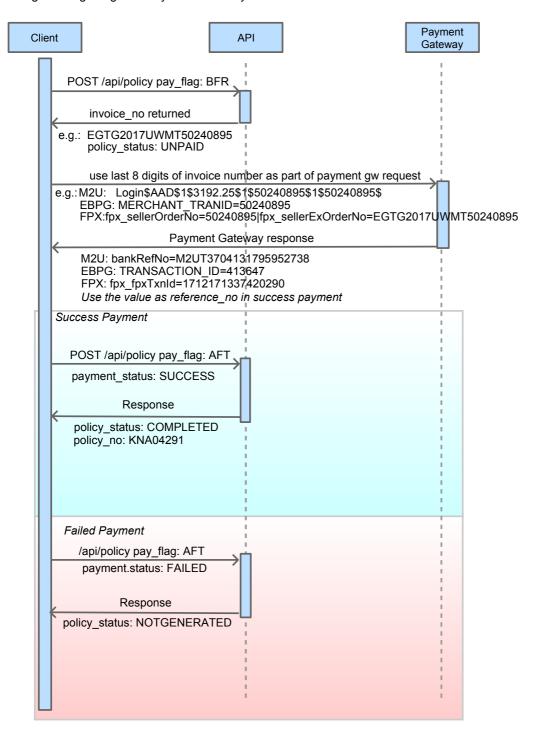
### Response of /motor/quote

```
"code": null,
"code": null,
"message": null,
"status": "OK",
"data": {
    "tx": {
        "ref": "rA2lwHCI8600Xc73aIkjdg"
       },
"drivers": [{
    "name": "Nur
    "marital": "
    "gender": "F
                             "gender":
"email":
                           "email": "sa
"birth_date"
"id_value":
"driver_no":
"residential
"residential
"residential
                             "mobile no"
                            "residential
       "age": 28
}],
"vehicle": {
    "make": "PERODUA",
    "variant": "SE ZHS-4 SP AUTOMATIC-1298",
    "model": "MYVI",
    "reg_no": "",
    "chassis_no": "PM2M602S002206287",
    "make_code": "33",
    "make_year": "2014",
    "variant_code": "INM14A",
    "model_code": "06"
}.
                            "age": 28
        },
"quotation": {
   "->" {
                   tation : {
    "pa": {
        "pa gross": "61.00",
        "pa after_rebate": "54.90",
        "pa_fee": "4.00",
        "pa_after_gst": "62.43",
        "pa_net_premium": "72.43",
        "pa_rebate_pct": "10.00"
}
               },
{
"code": "C57A",
   "name": "Basic Flood Cover",
   "amount": "72.50"
                           "code": "B072",
   "code": "B072",
   "name": "Legal Liability of Passenger for Acts of Negligence Coverage",
   "amount": "7.50"
                           }, {
    "code": "P14B",
    "name": "Compensation for Assessed Repair Time (14 Daysx100)",
    "amount": "140.00"
                   }],
"total_payable": "1106.40
       },
"addons_list": [{
    "code": "C57A",
    "name": "Basic Flood Cover",
    "display_order": "1"
                 }, {
    "code": "B057",
    "name": "Extended Flood Cover",
    "display_order": "2"
                  }, {
  "code": "P14B",
  "name": "Compensation for Assessed Repair Time (14 Daysx100)",
  "display_order": "3"
                 }, {
    "code": "P108",
    "name": "Loss of Use (LOU)",
    "display_order": "4"
                }, {
   "code": "PA",
   "name": "Personal Accident",
   "display_order": "5"
                 @lsplay_o.c..

}, {
   "code": "B072",
   "name": "Legal Liability of Passenger for Acts of Negligence Coverage",
   "display_order": "6"
                  }, {
  "code": "B089",
  "name": "Windscreen Coverage",
  "isolay order": "7"
          /j,
"quotation_no": "DS22018M-00015433-001",
"agent_code": "V0003926",
"operator_code": ""
```



Diag10 Integrating with Payment Gateway



#### Case 1: Payment Gateway Success

```
POST /motor/policy
    "declaration": {
                               Supported methods: M2U, FPX
        "pds": true,
       "ind": true,
                               and EBPG
        "pdpa": true,
       "lapse": false
    "pay_flag": "AFT",
    "payment": {
                                                              Use Datetime Format:
       "method": "M2U",
                                                                    ISO 8601
       "status": "SUCCESS",
       "timestamp": "2018-01-23T03:46:38.646Z",
       "reference_no": "M2UT3704131795952737",
        "amount": "795.47",
       "currency": "MYR",
                                                                         Refer to Diag10 for correct
        "extra": ""
                                                                         reference_no using values
   },
                                                                         given by payment gateway.
    "tx": {
                                           Use Currency Format:
        "ref": "QQTAyHOvPRmSDVb3C6e-Sw"
                                                  ISO 4217
```

#### Success Response

```
"code": null,
"message": null,
"status": "OK",
"data": {
    "tx": {
        "ref": "QQTAyHOvPRmSDVb3C6e-Sw"
      },
      "policy_no": "KNA84342",
      "pa_policy_no": "6",
      "policy_status": "COMPLETED",
      "policy_status": "COMPLETED",
      "invoice_no": "EGTG2018UWMT50241973"
}

    tx.ref will be invalidated after
    policy_status is COMPLETED.

Policy number will be created
    and displayed to customer.
    ePolicy will be automatically
    sent to customer's email.
}
```

## Case 2: Payment Gateway Failed

```
POST /motor/policy
                                                           Response:
    "declaration": {
                                                                "code": null,
        "pds": true,
                                                                "message": null,
        "ind": true,
                                                                "status": "OK",
        "pdpa": true,
                                                                "data": {
        "lapse": false
                                                                    "tx": {
                                                                        "ref": "3mvb8pJ9eeX99aQbZl0qtQ"
    "pay_flag": "AFT",
    "payment": {
                                                                    "policy_no": null,
        "method": "M2U",
                                                                    "pa_policy_no": null,
        "status": "FAILED",
                                                                    "policy_status": "NOTGENERATED",
        "timestamp": "2018-01-23T04:10:43.862Z",
                                                                    "invoice_no": "EGTG2018UWMT50241998"
        "reference_no": null,
        "amount": "795.47",
        "currency": "MYR",
   },
    "tx": {
        "ref": "3mvb8pJ9eeX99aQbZ10qtQ"
```