## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

EXHIBIT A: Tangible Net Worth Credit Matrix

| SENIOR UNSECURED DEBT/CREDIT RATING | TANGIBLE NET WORTH |
| :---: | :---: |
| AAA $-\mathrm{A}+$ | $7.50 \%$ |
| A | $6.50 \%$ |
| $\mathrm{~A}-$ | $5.00 \%$ |
| $\mathrm{BBB}+$ | $4.00 \%$ |
| BBB | $2.50 \%$ |
| BBB- | $1.50 \%$ |
| Below $\mathrm{BBB}-$ | $0.00 \%$ |

## Starting Point Calculation

| Market Participant ABC |  |
| :--- | :---: |
| Tangible Net Worth | $4,800,000$ |
| Rating | $\mathrm{A}+(\mathrm{S} \mathrm{\& P})$ |
| $\%$ of TNW | $\mathbf{7 . 5 0 \%}$ |
| Baseline Amount | $\mathbf{\$}$ |


| Market Participant XYZ |  |
| :---: | :---: |
| Tangible Net Worth | $2,800,000$ |
| Rating | BBB+ (S\&P) |
| \% of TNW | $4 \%$ |
| Baseline Amount | $\mathbf{1 1 2 , 0 0 0}$ |

## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

## EXHIBIT B: Credit Score Components

| AREA 1 - CASH FLOW |  |
| :---: | :---: |
| AREA 1 COMPONENTS |  |
| a. | a. Cash from operations |
| b. | b. Net cash flows from investing |
| c. | c. Net cash flows from financings |
| d. | d. Net change in cash |
| AREA 2 - LIQUIDITY INDICATORS |  |
| AREA 2 COMPONENTS |  |
| a. | a. Cash Ratio |
| b. | b. Quick Ratio |
| c. | c. Current Ratio |
| d. | d. Working Capital |
| e. | . Accounts Receivable Turnover (annualized) |
| f. | f. Accounts Payable Turnover (annualized) |
| g. | g. Days Sales Outstanding |
| AREA 3 - LEVERAGE \& DEBT COVERAGE |  |
| AREA 3 COMPONENTS |  |
| a. | a. Short-term debt as a \% of total debt |
| b. | b. Interest Coverage |
| c. | c. Total debt to tangible equity ratio |
| AREA 4 - PERFORMANCE \& PROFITABILITY |  |
| AREA 4 COMPONENTS |  |
| a. | a. Total Operating Revenue |
| b. | b. Earning before taxes, interest,depreciation \& amortization (EBITDA) |
| c. | c. Net Income |
| d. | d. Gross Margin as a \% of sales |
| e. | . SG\&A as a \% of sales |
| f. | f. Net Profit as a \% of sales |
| AREA 5 - QUALITATIVE CONSIDERATIONS |  |
| AREA 5 COMPONENTS |  |
| a. | a. Size and availability of committed, unused revolving credit |
| b. | b. Trigger point covenants resulting in acceleration of debt repayment |
| c. | c. Debt Refinancing Schedule |
| d. | d. Short-term credit ratings \& financial trends |
| e. | e. Contingient liabilities |

## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

EXHIBIT C: Example of Customer Credit Score Components


## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

## EXHIBIT D: Example of Associated Industry Peer Group Comparison

|  | ABC Company | $\begin{gathered} \text { ABC } \\ 12 / 31 / 2001 \end{gathered}$ | Peer Group Median |
| :---: | :---: | :---: | :---: |
| AREA 1 - CASH FLOW |  |  |  |
|  |  |  |  |
| AREA 1 COMPONENTS |  |  |  |
|  | a. Cash from operations | 908,000 | 198,288 |
|  | b. Net Cash flows from investing | 200,000 | $(153,132)$ |
|  | c. Net Cash flows from financings | -100 | -725 |
|  | d. Net Change in Cash | 1,000 | 770 |
|  |  |  |  |
| AREA 2 - LIQUIDITY INDICATORS |  |  |  |
|  |  |  |  |
| AREA 2 COMPONENTS |  |  |  |
|  | a. Cash Ratio | 2.3 | 0.06 |
|  | b. Quick Ratio | 1.76 | 0.48 |
|  | c. Current Ratio | 2.5 | 0.81 |
|  | d. Working Capital | 500,000 | $(63,075)$ |
|  | e. Accounts Receivable turnover (annualized) | 4.3 | 8.2 |
|  | f. Accounts Payable turnover (annualized) | 15 | 11.3 |
|  | g. Days Sales Outstanding | 38.35 | 42 |
|  |  |  |  |
| AREA 3 - LEVERAGE \& DEBT COVERAGE |  |  |  |
|  |  |  |  |
| AREA 3 COMPONENTS |  |  |  |
|  | a. Short-term debt as \% of total debt | 10.07\% | 0 |
|  | b. Interest Coverage | 1.3 | 3.8 |
|  | c. Total debt to tangible equity ratio | 160 | 107.8 |
|  |  |  |  |
| AREA 4 - PERFORMANCE \& PROFITABILITY |  |  |  |
|  |  |  |  |
| AREA 4 COMPONENTS |  |  |  |
|  | a. Total Operating Revenue | 5,725,000 | 1,944,211 |
|  | Earnings before interest, taxes, depreciation and <br> b. amortization | 1,360,000 | 306,507 |
|  | c. Net Income | 179,000 | 76,694 |
|  | d. Gross Margin as a \% of sales | 73.35\% | 95.70\% |
|  | e. SG\&A as a \% of sales | 3.12\% | 4.20\% |
|  | f. Net Profit as a \% of sales | 4.03\% | 5.80\% |
|  |  |  |  |
| AREA 5 - QUALITATIVE CONSIDERATIONS |  |  |  |
|  |  |  |  |
| AREA 5 COMPONENTS |  |  |  |
|  | Size and availability of committed, unused <br> a. revolving credit | Very good | Average |
|  | Trigger point covenants resulting in acceleration of <br> b. debt repayment | Good | Average |
|  | c. Debt Refinancing Schedule | Very good | Average |
|  | d. Short-term credit ratings \& financial trends | Very good | Average |
|  | e. Contingient liabilities | Excellent | Average |

## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

EXHIBIT E: Ordinal Ranking Score

|  | ABC Company | ABC 12/31/2001 | Peer Group Median | Ordinal Ranking Score |
| :---: | :---: | :---: | :---: | :---: |
| AREA 1 - CASH FLOW |  |  |  |  |
|  |  |  |  |  |
| AREA 1 COMPONENTS |  |  |  |  |
|  | a. Cash from operations | 908,000 | 198,288 | 5 |
|  | b. Net Cash flows from investing | 200,000 | $(153,132)$ | 5 |
|  | c. Net Cash flows from financings | -100 | -725 | 5 |
|  | d. Net Change in Cash | 1,000 | 770 | 5 |
|  |  |  |  |  |
| AREA 2 - LIQUIDITY INDICATORS |  |  |  |  |
|  |  |  |  |  |
| AREA 2 COMPONENTS |  |  |  |  |
|  | a. Cash Ratio | 2.3 | 0.06 | 5 |
|  | b. Quick Ratio | 1.76 | 0.48 | 5 |
|  | c. Current Ratio | 2.5 | 0.81 | 5 |
|  | d. Working Capital | 500,000 | $(63,075)$ | 5 |
|  | e. Accounts Receivable turnover (annualized) | 4.3 | 8.2 | 5 |
|  | f. Accounts Payable turnover (annualized) | 15 | 11.3 | 5 |
|  | g. Days Sales Outstanding | 38.35 | 42 | 5 |
|  |  |  |  |  |
| AREA 3 - LEVERAGE \& DEBT COVERAGE |  |  |  |  |
|  |  |  |  |  |
| AREA 3 COMPONENTS |  |  |  |  |
|  | a. Short-term debt as \% of total debt | 10.07\% | 0 | -1 |
|  | b. Interest Coverage | 1.3 | 3.8 | -3 |
|  | c. Total debt to tangible equity ratio | 160 | 107.8 | -5 |
|  |  |  |  |  |
| AREA 4 - PERFORMANCE \& PROFITABILITY |  |  |  |  |
|  |  |  |  |  |
| AREA 4 COMPONENTS |  |  |  |  |
|  | a. Total Operating Revenue | 5,725,000 | 1,944,211 | 2 |
|  | Earnings before interest, taxes, depreciation and b. amortization | 1,360,000 | 306,507 | 1 |
|  | c. Net Income | 179,000 | 76,694 | 3 |
|  | d. Gross Margin as a \% of sales | 73.35\% | 95.70\% | 0 |
|  | e. SG\&A as a \% of sales | 3.12\% | 4.20\% | 0 |
|  | f. Net Profit as a \% of sales | 4.03\% | 5.80\% | -2 |
|  |  |  |  |  |
| AREA 5 - QUALITATIVE CONSIDERATIONS |  |  |  |  |
|  |  |  |  |  |
| AREA 5 COMPONENTS |  |  |  |  |
|  | a.Size and availability of committed, unused revolving <br> credit | Very good | Average | 4 |
|  | Trigger point covenants resulting in acceleration of b. debt repayment | Good | Average | 2 |
|  | c. Debt Refinancing Schedule | Very good | Average | 3 |
|  | d. Short-term credit ratings \& financial trends | Very good | Average | 3 |
|  | e. Contingient liabilities | Excellent | Average | $\rightarrow 5$ |


| Ordinal Ranking Score |  |
| :---: | :---: |
| Percentile Ranking | Ordinal Ranking Score |
| $>95 \%$ | 5 |
| $85 \%-95 \%$ | 4 |
| $75 \%-84 \%$ | 3 |
|  |  |
| $65 \%-74 \%$ | 2 |
| $55 \%-64 \%$ | 1 |
| $45 \%-54 \%$ | 0 |
| $35 \%-44 \%$ | -1 |
| $25 \%-34 \%$ | -2 |
| $15 \%-24 \%$ | -3 |
| $5 \%-14 \%$ | -4 |
| $<5 \%$ | -5 |

## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY




| Ordinal Ranking Score |  |
| :---: | :---: |
| Percentile Ranking | Ordinal Score |
| $>95 \%$ | 5 |
| $85 \%-95 \%$ | 4 |
| $75 \%-84 \%$ | 3 |
| $65 \%-74 \%$ | 2 |
| $55 \%-64 \%$ | 1 |
| $45 \%-54 \%$ | 0 |
| $35 \%-44 \%$ | -1 |
| $25 \%-34 \%$ | -2 |
| $15 \%-24 \%$ | -3 |
| $5 \%-14 \%$ | -4 |
| $<5 \%$ | -5 |

## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

EXHIBIT G: Weighting Factors Assigned to Average Component Ordinal Ranking Score

|  | ABC Company | $\underset{\substack{\text { ABC } \\ 12 / 31 / 2001}}{ }$ | Peer Group Median | Ordinal Ranking Score |  | weighting <br> Assigned to Ordinal Ranking Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AREA 1-CASH FLOW |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| AREA 1 COMPONENTS |  |  |  |  |  |  |
|  | a. Cash from operations | 908,000 | 198,288 | 5 |  |  |
|  | b. Net Cash flows from investing | 200,000 | $(153,132)$ | 5 |  |  |
|  | c. Net Cash flows from financings | -100 | -725 | 5 |  |  |
|  | d. Net Change in Cash | 1,000 | 770 | 5 |  |  |
|  | Total Score |  |  | 20 |  |  |
|  | Average Score |  |  |  |  | 15\% |
| AREA 2 - LIQUIDITY INDICATORS |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| ${ }^{+}$ |  |  |  |  |  |  |
| AREA 2 COMPONENTS |  |  |  |  |  |  |
|  | a. Cash Ratio | 2.3 | 0.06 | 5 |  |  |
|  | b. Quick Ratio | 1.76 | 0.48 | 5 |  |  |
|  | c. Current Ratio | 2.5 | 0.81 | 5 |  |  |
| c. | d. Working Capital | 500,000 | $(63,075)$ | 5 |  |  |
|  | e. Accounts Receivable turnover (annualized) | 4.3 | 8.2 | 5 |  |  |
|  | f. Accounts Payable turnover (annualized) | 15 | 11.3 | 5 |  |  |
| $\begin{array}{l\|l\|} \hline \mathrm{f} . \\ \hline & \mathrm{g} . \\ \hline \end{array}$ | g. Days Sales Outstanding | 38.35 | 42 | 5 |  |  |
|  | Total Score |  |  | 35 |  |  |
|  | Average Score |  |  | 5 |  | 50\% |
|  |  |  |  |  |  |  |
| AREA 3 - LEVERAGE \& DEBT COVERAGE |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| AREA 3 COMPONENTS |  |  |  |  |  |  |
|  | a. Shor-term debt as \% of total debt | 10.07\% | 0 | -1 |  |  |
|  | b. Interest Coverage | 1.3 | 3.8 | -3 |  |  |
|  | c. Total debt to tangible equity ratio | 160 | 107.8 | -5 |  |  |
| c. | Total Score |  |  | -9 |  |  |
|  | Average Score |  |  | -3 |  | 7.50\% |
|  |  |  |  |  |  |  |
| AREA 4 - PERFORMANCE \& PROFITABILITY |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| AREA 4 COMPONENTS |  |  |  |  |  |  |
|  | a. Total Operating Revenue | 5,725,000 | 1,944,211 | 2 |  |  |
|  | Earnings before interest, taxes, depreciation and <br> b. amortization | 1,360,000 | 306,507 | 1 |  |  |
| ${ }^{\text {c }} \mathrm{c}$. | c. Net Income | 179,000 | 76,694 | 3 |  |  |
|  | d. Gross Margin as a \% of sales | 73.35\% | 95.70\% | 0 |  |  |
|  | e. SG\&A as a \% of sales | 3.12\% | 4.20\% | 0 |  |  |
|  | f. Net Profit as a \% of sales | 4.03\% | 5.80\% | -2 |  |  |
|  | Total Score |  |  | 4 |  |  |
|  | Average Score |  |  | 0.67 |  | 7.50\% |
| AREA 5 - QUALITATIVE CONSIDERATIONS |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| AREA 5 COMPONENTS |  |  |  |  |  |  |
| Size and availability of committed, unused a. revolving credit |  | Very good | Average | 4 |  |  |
| b. Trigger point covenants resulting in acceleration of |  | Good | Average | 2 |  |  |
| c. | c. Debt Refinancing Schedule | Very good | Average | 3 |  |  |
| $\begin{aligned} & \mathrm{c} \\ & \hline \mathrm{e} \\ & \hline \end{aligned}$ | d. Shor-term credit ratings \& financial trends | Very good | Average | 3 |  |  |
|  | e. Contingient liabilities | Excellent | Average | 5 |  |  |
| ${ }^{\text {e. }}$ | Total Score |  |  | 17 |  |  |
|  | A Average Score |  |  | 3.4 |  | 20\% |


| Ordinal Ranking Score |  |
| :---: | :---: |
| Percentile Ranking | Ordinal Score |
| $>95 \%$ | 5 |
| $85 \%-95 \%$ | 4 |
| $75 \%-84 \%$ | 3 |
|  |  |
|  | 2 |
| $65 \%-74 \%$ | 1 |
| $55 \%-64 \%$ | 0 |
| $45 \%-54 \%$ | -1 |
| $35 \%-44 \%$ | -2 |
| $25 \%-34 \%$ | -3 |
| $15 \%-24 \%$ | -4 |
| $5 \%-14 \%$ | -5 |
| $<5 \%$ |  |



## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

## EXHIBIT H: Positive Credit Score Adjustment Formula and Example Application




## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

## EXHIBIT I: Negative Credit Score Adjustment Formula and Example Application



## WORKING DRAFT - FOR DISCUSSION PURPOSES ONLY

## EXHIBIT J: Comprehensive Example of Credit Assessment Methodology



1 For purposes of this example, the Market Concentration Cap used is $\$ 294$ million, based on the following data:

| Energy | August 2001 | $\$ 817 \mathrm{M} \times 1.50 \times 20 \%$ | $=$ | $\$ 2$ |
| :--- | :--- | :--- | :--- | :---: |
| ICAP | Aug/Sept/October 2001 | $\$ 246 \mathrm{M} \times 20 \%$ | $=$ | $\$ \mathrm{l}$ |
| TCC | August 2001 | $\$ .5 \mathrm{M} \times 20 \%$ | $=$ |  |
|  |  |  |  |  |

