

SCHEMATIC OF IN-LICENSING DECISION PROCESS



The above schematic divides the in-licensing decision process into stages.

Identification of Need

Evaluating established product markets and/or areas of internal product development to identify areas of strength and weakness.

Setting Corporate Goals

Business divisions define strategic goals for (existing) desired strategic products, based on corporate need.

Scoping

Tracking of external developments by licensing departments through scientific journals, seminars, conferences, company and government contacts, inter-company contacts, information systems, statistical offices, etc.

Selection

Identification by licensing department of candidates which fit with strategic goals.
Preliminary information sent to internal specialists for evaluation.

Evaluation

Evaluation criteria are used to assess candidates. Licensing department acts as consultant in being able to carry out a study at the appropriate management levels.

Acquisition

Positive evaluation leads to final acquisition negotiations, throughout

which licensing department is actively involved.

Contract

Execution of acquisition agreement.

Acquisition

Licensing department initiates implementation of agreement and continues negotiations with licensee.

This schematic may not be representative of an organization's decision process, but respondents when asked to mark it as a base of reference while answering the questionnaire. Only 40 decisions are dependent on the outcome of a particular candidate, respondents were asked to rate a specific product of the company's in-licensing process, rather than a typical one.

ACQUISITIVE DATA FROM ALL COMPANIES

Means are listed to the side of survey questions. YES = 1 and NO = 0.

YOUR LICENSING ORGANIZATION

1. Does your company license in products, services/technology, processes, and/or materials?

a. YES — 100

b. NO — (Please skip Question 2)

2. A. Check "YES" if any of the following activities are involved in your company's licensing process. If there is none, then one, please indicate number.

	YES	NO
a. Licensing Director	— 86	— 14
b. Licensing Department	— 88	— 12
c. Licensing Committee	— 28	— 72
d. Licensing Task Force/ Project Team	— 20	— 80
e. Chairperson/ Supervisor	— 14	— 86
f. Division Manager	— 28	— 72

B. If you indicated no/DA that your company also conducts, take note of which in-licensing activities your industry which departments are represented.

	YES	NO
a. Licensing	— 87	— 13
b. Marketing	— 85	— 15
c. R&D	— 76	— 24
d. Finance	— 82	— 18
e. Legal	— 79	— 21
f. Regulatory	— 40	— 60
Other	— 62	— 38

3. A. Please indicate where in-licensing responsibilities are performed within the company?

	YES	NO
Corporate	— 82	— 18
Individual Division	— 87	— 13

B. Please indicate number of people in company's total licensing function.

C. What percentage of total activities spent on licensing is devoted to in-licensing only?

4. How many deals are there in company's inventory between Licensing Director and CEO?

IDENTIFICATION OF NEEDS AND SOURCING

3. A. How important are things like in identifying your company's in-licensing needs in all areas and/or future goals?

Not at all Important

Important	1	2	3	4	5	6
Not at all	— 1	— 1	— 1	— 1	— 1	— 1

B. How often does your company identify its in-licensing needs?

Often

• Based on opportunities
• Input from R&D
• Strategy Plan
• Technology

— patent identification
— legal area
— technological in-licensing survey
— law extension

• Through Marketing and R&D
• Involvement of lawyers, contacts, etc.
• Through Marketing
• Other

4. How important are each of the following sources to your company in keeping abreast of and tracking new potential in-licensing proposals? (Rank the appropriate number)

	Not at all	Important
Scientific Journals	1 2 3 4 5	1.0
Commercial		
Search Firms	1 2 3 4 5	1.0
Industry Contacts	1 2 3 4 5	3.0

		DECISION MAKING					
Government	1 2 3 4 5	2.0	9. Indicate how firming decisions, in general, are discussed. (Circle the appropriate number)				
Industry	1 2 3 4 5	4.0	Firming group				
Same Company	1 2 3 4 5	3.0	Network firming group and other departments				
			Never	Always	Never	Always	
R&D/Marketing			S/C		S/C		
- Self Input	1 2 3 4 5	3.0	4. Formally, at scheduled meetings				
- Subgroup	1 2 3 4 5	2.0	1 2 3 4 5				
- Informal and			1 2 3 4 5				
- Informal (spontaneous)			S/C				
- Informal (spontaneous)	1 2 3 4 5	2.0	10. How controlled is your competitors' marketing process?				
Meetings, Sales			Not at all		Completely		
- Committees	1 2 3 4 5	2.0	1 2 3 4 5				
- Informal Agents	1 2 3 4 5	1.0					
- Uninvited							
- Other	1 2 3 4 5	3.0					
Other	1 2 3 4 5	3.0					

CRITERIA FOR EVALUATION

7. Indicate your perspective in firming candidate, which are the five most important criteria used at each stage? (for each stage, circle the appropriate line of the 5 most important criteria)

Scoring Selection Evaluation Perspective

MARKET FACTORS	5	4	3	2
1. Potential market size	51	42	36	29
2. New market category not currently served	23	25	32	43
3. Market category compatible with existing product lines	44	38	25	27
4. Potential for FDA approval	20	38	47	29
5. Proposed Market Share	33	20	45	34

COMPANY FACTORS	5	4	3	2
1. Firm strategic goals	60	24	28	27
2. Complementarity present in basic research	25	37	33	47
3. Complementarity present in basic research	33	28	31	49
4. Fit with present manufacturing capability	32	32	38	47
5. Technological scientific fit	46	45	23	29
6. Stage of product development	26	36	29	34
7. Needs of customer subsidiaries	49	37	37	31
8. New/Unique technological opportunity	47	32	39	47

FINANCIAL FACTORS	5	4	3	2
9. R&D leader Rate/Net Present Value	39	37	45	49
10. R&D	32	32	37	29
11. Proposed Capital Investment	47	47	48	24
12. Pay-Back Period	42	47	38	27
13. Break-even Analysis	49	43	47	48
14. Maximum Rate Quantity	32	38	48	29
15. Risk Analysis	38	32	37	24
16. Total Checks	5	5	5	5

8. How important are standardized criteria in evaluating an firming candidate at each stage? (Circle the appropriate number)

	Standardization Not At All Important					Standardization Extremely Important				
1. Scoring	1	2	3	4	5	5	5	5	5	5
2. Selection	1	2	3	4	5	5	5	5	5	5
3. Evaluation	1	2	3	4	5	5	5	5	5	5
4. Negotiation	1	2	3	4	5	5	5	5	5	5

10. In critical positions, how much influence do each of the following have in approving/rejecting licensing proposals at each stage? (Write the appropriate number on each line.)

Not at all 1 2 3 4 5 Complete

(Note: If position is not at all involved in the licensing decision, please cross out.)

	1	2	3	4	5
CEO/Head of Division	1.69	1.80	2.04	2.08	2.08
Licensing Department	4.00	3.62	3.57	3.95	
Marketing Department	1.76	2.00	2.40	2.77	
Clinical/Medical Department	1.82	1.71	1.70	1.95	
Pre-Clinical Department	1.27	1.51	1.29	1.59	
Regulatory Department	1.23	1.50	2.00	1.49	
Formulation Department	1.30	1.43	2.04	1.39	
Other R&D Department	1.28	1.56	2.07	1.65	
Project Management Group	1.67	2.44	2.03	2.26	
Strategic Planning Department	1.20	2.20	2.10	2.00	
Finance Department	1.17	1.23	2.40	2.20	
Legal Department	1.29	1.59	2.46	2.46	
Manufacturing/Q.A.	1.20	1.43	2.44	1.64	
Sales Department	1.40	1.29	1.77	1.70	
Licensing Committee/Task Force	1.30	1.27	2.24	2.04	
Champion/Key Supporter	1.05	1.24	1.21	1.29	
International Marketing	1.95	2.91	2.04	1.98	
Subsidiary	1.25	1.20	1.80	1.20	
Consultants	1.28	1.41	1.80	1.30	
Other	1.00	1.00	2.04	2.0	

11. How close to market are licensing projects selected? (Indicate 100% closest to following category.)

1 Year	10.0%
1-2 years	23.0%
3-4 years	44.0%
5-6 years	21.0%
7-10 years	1.0%
Total	100%

KEYING CONTRACT

12. On average each year, how many licensing proposals enter the selection stage?

1. Selection Stage? 76.3

Using the number that enter the selection stage, 100% below, as a base to get the percentage of projects that fall 100% below:

1. Selection 100%

2. Search Evaluation? 9.70%

3. Search Negotiation? 11.30%

4. Search Contract? 14.90%

13. Within past two years, how many licensing proposals have reached contract?

11.47

14. Of those, how many are still in development? 9.27

15. How many reached market or are continuing to produce on the market? 7.08

16. How many have been commercial? 10.23

17. How often do you obtain option contracts for evaluating licensing candidates?

Never	Seldom	Often
1	2	3
1.27		

18. If used, what is the average time period for the initial option contract?

6(7) Months

LICENSING OVERVIEW

19. Of the licensing contracts which have reached market within the past 10 years (Q14B above), how many have made an average yearly sales volume of:

under \$2 million	1.37
\$2M - \$5M (M)	1.00
\$5M - \$25M	1.70
\$25M - \$100M	1.20
more than \$100M	1.00
Total - Q14B	

20. A licensed product is considered successful if it meets a minimum 10% return on sales of:

23.0%

21. What percentage of 100% sales-profits were derived from products acquired or developed through licensing contracts?

A. Sales revenue 20.0%

B. Profits 20.76%

22. A. Which licensing conditions do you usually require, and the percentage did you usually contract? (Circle the percentage which is closest to the actual figure.)

0%—25—50—75—100% 16.20

B. Of those that you acquired and marketed, what percentage met your initial expectations? (Circle the percentage closest to the actual figure.)

0%—25—50—75—100% 16.20

23. Looking back on previous licensing decisions, in pursuit of (a) previous licensing proposal, what percentage do you feel were correct? (Circle the percentage which is closest to the actual figure.)

0%—25—50—75—100% 40.77

24. For your organization, how effective is its licensing as compared to internal development, in obtaining marketable products?

Not at all 1 2 3 4 5 Fully

25. Of all licensing agreements made in the past 10 years, what percentage of the total have been "win-win"? 20.94%

26. How do you define "win-win" in licensing?

- Obtaining a product which:
 - * meets or exceeds sales and profit expectations 9
 - * is consistent with strategic plan 7
 - * both are "satisfied" and a developed an outside 4
 - * gets to market 4
 - * exceeds \$50 million in sales annually 2
 - * is compatible with existing products lines 2

27. What is the size of your company's division?

By: number of employees 1384

\$ sales volume 1987 \$257

28. A. Of total R&D effort, what percentage applies to:

Research 34.2%

Development 70.6%

B. What is the size of your company's total R&D facilities?

By: Number of employees 6.0

1987 R&D expenditures as a percentage of sales 10.0%

29. Of 100 companies according to PART I AND II, how many are:

1. Merck

2. Schering

3. Pfizer

4. Bristol Myers

5. Hoechst-Roussel

6. Sandoz

7. Lilly

8. Eli Lilly

9. Schering-Plough

10. Johnson & Johnson

11. American Home Products

12. Hoechst

13. Ciba Group

14. Sandoz

15. Schering

16. Hoechst

17. Hoechst